U. S. DEPARTMENT OF COMMERCE
DANIEL C. ROPER, Secretary
COAST AND GEODETIC SURVEY
R. S. PATTON, Director

SERIAL No. 598

CATALOG

OF

U. S. COAST AND GEODETIC SURVEY NAUTICAL AND AERONAUTICAL CHARTS, COAST PILOTS, TIDE TABLES, CURRENT TABLES TIDAL CURRENT CHARTS

ATLANTIC AND GULF COASTS, PUERTO RICO, VIRGIN ISLANDS, AND THE CANAL ZONE; PACIFIC COAST ALASKA, THE HAWAIIAN ISLANDS AND GUAM AND THE PHILIPPINE ISLANDS

DISTRIBUTED BY THE U. S. COAST AND GEODETIC SURVEY
AND AUTHORIZED SALES AGENCIES LISTED

EDITION: JULY 1937

CATALOG OF NAUTICAL AND AERONAUTICAL CHARTS, COAST PILOTS, TIDE TABLES, CURRENT TABLES, AND TIDAL CURRENT CHARTS

GENERAL INFORMATION

This catalog lists information regarding items sold by the Coast and Geodetic Survey of the Department of Commerce and its authorized sales agents. An index appears on page 60.

Purchases may be made from any of the sales agents listed in this catalog, or from the following **Field Stations:** 808 Customhouse, Boston, Mass.; 741 Customhouse, New York, N. Y.; 314 Customhouse, New Orleans, La.; 307 Customhouse, San Francisco, Calif.; and 601 Federal Office Building, Seattle, Wash. However, if ordering by mail of the United States Coast and Geodetic Survey, Washington, D. C., or Manila, P. I., remit by money order, express order, or check, payable to the United States Coast and Geodetic Survey and *not by name to any individual.* Money is unsafe except by registered mail. Postage stamps can not be accepted. Order by catalog number only.

Nautical charts are grouped in the following order: Atlantic and Gulf coasts, Puerto Rico, Virgin Islands. the Canal Zone, the Pacific coast, Alaska, the Hawaiian and Guam, and the Philippine Islands. A numerical arrangement appears in the back, for ready reference to page and price.

There are also listed United States coast pilots and intracoastal waterways (inside route) pilots, tide tables, current tables, tidal current charts, aeronautical charts, miscellaneous maps and plans, and Philippine topographic maps and books on triangulation.

Catalogs are issued annually. The annual List of Publications of the Department of Commerce, free on application, lists the many other publications of the Coast and Geodetic Survey, covering its activities in hydrography, tides, currents, geodesy, terrestrial magnetism, and seismology.

Notice to Mariners (United States), a weekly leaflet issued jointly with the Bureau of Lighthouses of the Department of Commerce, is free to those who desire copies regularly. It may be consulted at sales agencies listed herein and at all United States customhouses, lighthouse offices, hydrographic offices, and consulates abroad. **A separate Notice to Mariners (Philippine Islands)** is published by the United States Coast and Geodetic Survey field station at Manila. Notice to Mariners is issued as a safety aid, to keep mariners advised of constant changes so they may keep their nautical charts and coast pilots up to date. New charts, new editions of charts, and new publications, are also announced therein.

DESCRIPTION OF NAUTICAL CHARTS

Published primarily for navigational use, nautical charts portray the water areas rather than the land. They are not designed as topographic maps, but a strip of topography extending a short distance inland is usually shown and back of this only important landmarks visible at sea are included.

Field surveys are made on much larger scales than those on which the charts are published. The larger scales permit the showing of greater detail and provide a more comprehensive record of conditions existing at the specific time the survey was made. The chart is also frequently a compilation of data secured at different times. One portion, comprising an unchanged area, may be based upon a survey of years ago, while another part, subject to natural or artificial changes, shows the results of very recent surveys. **When information is desired on a larger scale** than that of the chart, **or where the actual date applicable to the information shown becomes of importance,** the public is frequently better served by having recourse to original survey records, photographic copies of which may be obtained at the nominal cost of reproduction. Some of the topographic surveys are published. Requests for information of these should indicate definitely the area desired.

Nautical charts are constructed on different scales, to adapt them to varied navigational purposes. Small-scale charts include large areas, suited to offshore navigation; large-scale charts cover small areas, suited to alongshore navigation. They are grouped in the following order, the limit of each chart being graphically shown on diagrams facing the page on which it is listed.

Sailing charts.—Scales from 1:600,000 to 1:4,500,000. Intended to fix the navigator's position as he approaches the coast from the open ocean or when sailing between distant coast ports. They show offshore soundings, the principal lights and outer buoys and natural landmarks visible at considerable distance.

General charts of the coast.—Scales from 1:180,000 to 1:400,000. Designed for coastwise navigation, when a vessel's course would mostly be within sight of land, with her position fixed by landmarks, lights, outer buoys, and characteristic soundings.

Coast charts.—Scales from 1:80,000 to 1:100,000. Prepared for close coastwise navigation, when a vessel's course would carry her inside outlying reefs and shoals; also for entering bays and harbors of considerable width and for navigating large inland waterways.

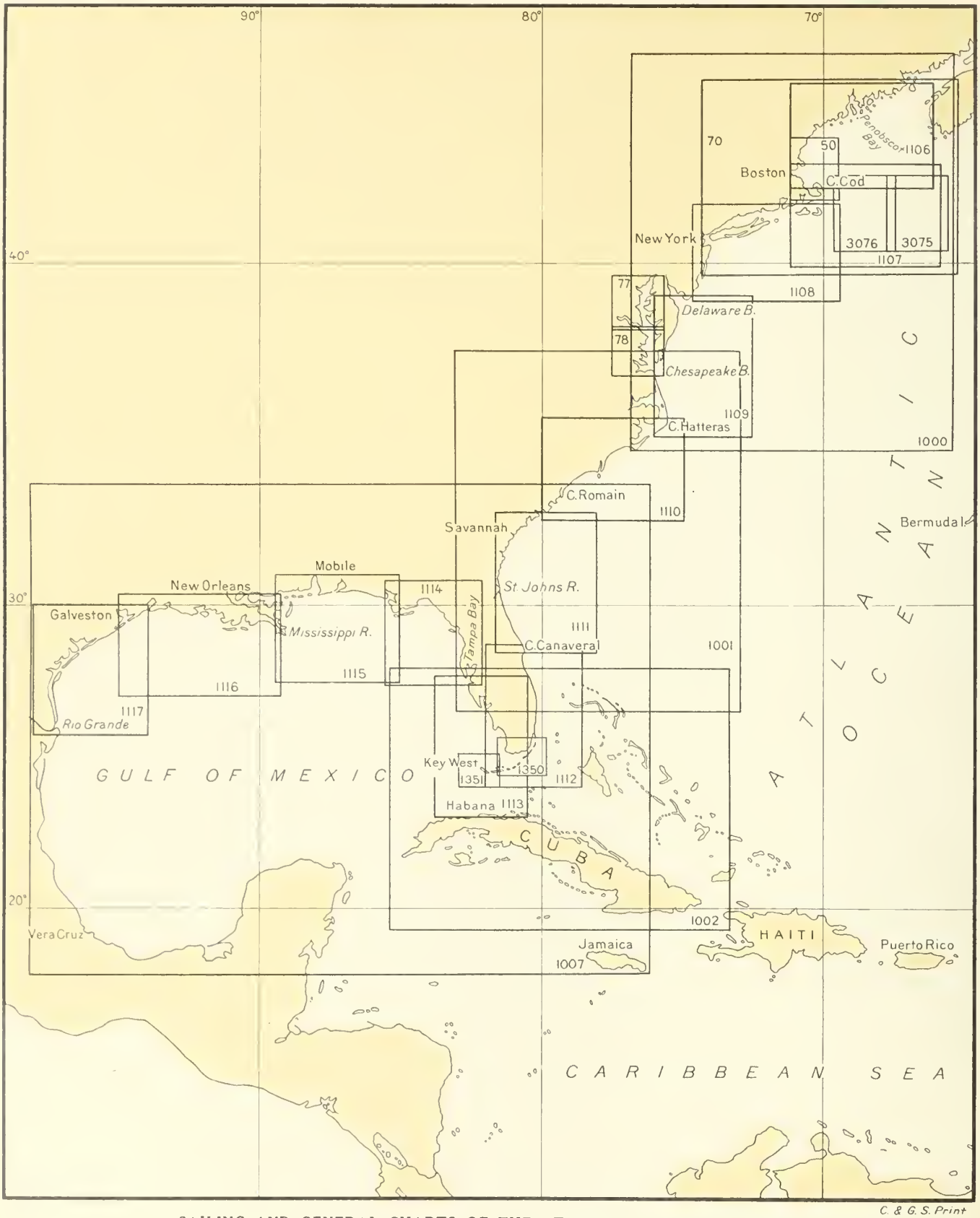
Harbor charts.—Scales from 1:5,000 to 1:40,000. Planned for navigation of harbors and small waterways.

Intracoastal waterways (inside route) charts.—Scales from 1:40,000 to 1:80,000. Embrace the inside route in New Jersey and from Norfolk to Key West.

SCALE EQUIVALENTS

The following table gives the lengths of nautical and statute miles on the several scales named, these scales being the proportionate size of the chart to nature. For example, in scale 1:1,200, the chart is 1:1,200 part of the actual linear dimensions in nature (or 100 feet to the inch), equal to 60.8 inches to a nautical mile, and 52.8 inches to a statute mile.

Scale	Nautical mile		Statute mile	
	Inches	Centimeters	Inches	Centimeters
1:1,200	60.803	154.44	52.800	134.11
1:2,400	30.401	77.22	26.400	67.06
1:4,800	15.201	38.61	13.200	33.53
1:5,000	14.593	37.06	12.672	32.19
1:10,000	7.296	18.53	6.336	16.09
1:15,000	4.864	12.36	4.224	10.73
1:20,000	3.648	9.27	3.168	8.05
1:30,000	2.432	6.18	2.112	5.36
1:40,000	1.824	4.63	1.584	4.02
1:50,000	1.459	3.71	1.267	3.22
1:60,000	1.216	3.09	1.056	2.68
1:80,000	.912	2.32	.792	2.01
1:100,000	.730	1.85	.634	1.61
1:200,000	.365	.93	.317	.80
1:400,000	.182	.46	.158	.40
1:1,000,000	.073	.18	.063	.16
1:1,200,000	.061	.15	.053	.13



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SAILING AND GENERAL CHARTS OF THE ATLANTIC AND GULF COASTS

A nautical mile is a minute of an average great circle of the earth, and its length is 6,080 feet, or 1,853.2 meters. A statute mile is 5,280 feet, or 1,608.3 meters. One meter equals 39.37 inches; 1 centimeter equals 0.3937 inch; 1 inch equals 2.54 centimeters.

DATES ON CHARTS

Nautical charts show all necessary corrections as to lights, beacons, buoys, recently discovered wrecks, etc., as of the date of issuance from the Washington, D. C., or Manila, P. I., offices, stamped in the lower right margin opposite the following legend:

LIGHTS, BEACONS, BUOYS, AND DANGERS CORRECTED FOR INFORMATION RECEIVED TO DATE OF ISSUE (DATE)

Other dates, although of less importance, are necessary for the identification of the chart and should be understood. The **authority note** gives the dates (years) of the surveys (made by the United States Coast and Geodetic Survey unless otherwise stated) and reads:

AUTHORITIES

SURVEYS (DATE)

SURVEYS BY U. S. ENGINEERS (DATE)

When a **new nautical chart** is issued, the date (month and year) is printed in the **publication note:**

PUBLISHED AT WASHINGTON, D. C. (OR) MANILA, P. I. (DATE) BY THE U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, *Director*

This note is located in a central position below the border and remains unchanged until extensive corrections accumulate. The date is then changed and the chart reissued as a **new edition.** Mariners are accordingly warned against using obsolete charts.

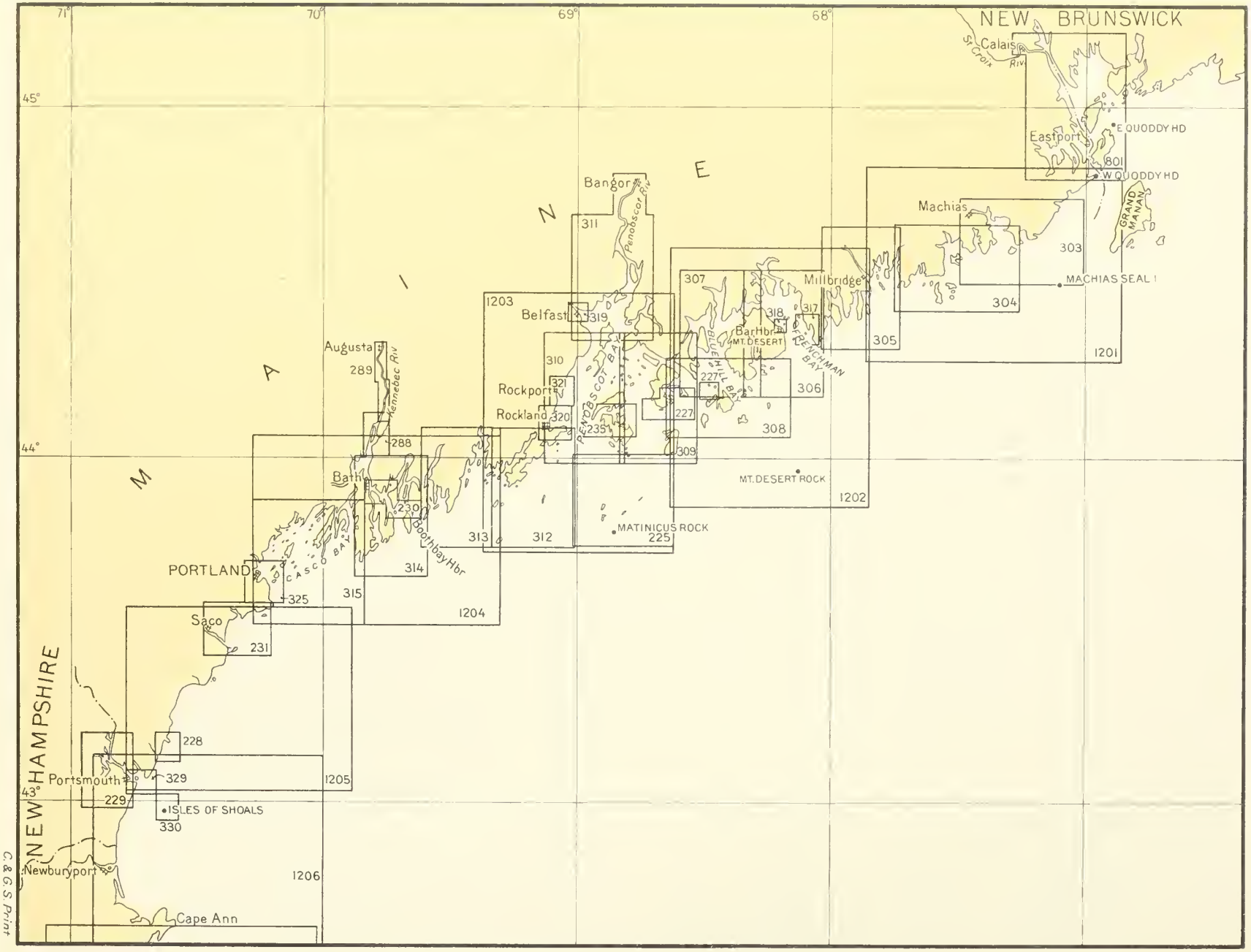
When a correction, not of sufficient importance to require a new edition, is made to a chart plate, the year, month, and day are noted below the border in the left-hand corner of the chart in the following manner: 19–6/30, 7/22, 20–2/3, 5/27.

All important corrections occurring subsequent to the date of issue are announced in the weekly **Notice to Mariners** and should be immediately applied by hand by the chart owner.

The other notes on the chart should be read, as they may relate to navigation aids or to dangers which can not be clearly charted. Other details which can not be shown on nautical charts, appear in **United States Coast Pilots** or **Intracoastal Waterways Pilots** for the area covered.

SAILING AND GENERAL CHARTS OF THE ATLANTIC AND GULF COASTS

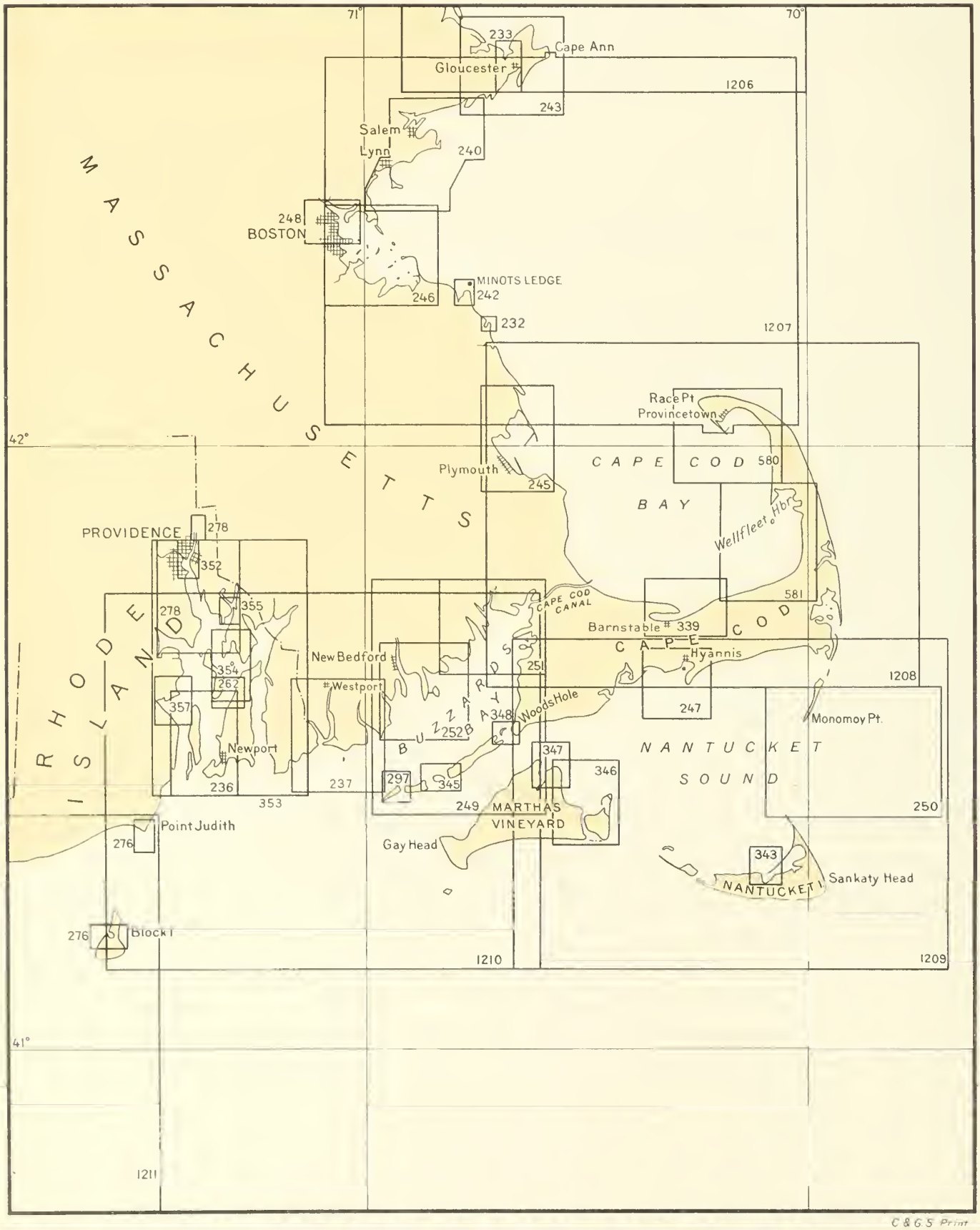
No.	Price	Title	Approximate scale	Size of border (inches)	Date
		SAILING CHARTS			
1000	$0.75	Cape Sable to Cape Hatteras	1:1,200,000	33×41	1934
1001	.75	Chesapeake Bay to Straits of Florida	1:1,198,000	33×41	1932
1002	.75	Straits of Florida and approaches	1:1,197,000	33×41	1933
1007	.75	Gulf of Mexico	1:2,195,000	34×42	1933
70	.75	West Quoddy Head to New York	1:684,600	34×44	1935
		GENERAL CHARTS			
50	.75	Cape Elizabeth to Cape Cod	1:210,220	28×44	1934
77	.75	Chesapeake Bay, northern part	1:200,000	32×35	1936
78	.75	Chesapeake Bay, southern part	1:200,000	31×32	1930
1106	.75	Bay of Fundy to Cape Cod	1:384,000	34×44	1933
1107	.75	Georges Bank and Nantucket Shoals	1:391,000	32×46	1934
1108	.75	Approaches to New York	1:400,000	32×47	1931
1109	.75	Cape May to Cape Hatteras	1:415,000	31×44	1937
1110	.75	Cape Hatteras to Charleston Light	1:433,000	31×44	1929
1111	.75	Charleston Light to Cape Canaveral	1:450,000	31×43	1932
1112	.75	Cape Canaveral to Key West	1:470,000	29×45	1932
1113	.75	Habana to Tampa Bay	1:471,000	29×43	1933
1114	.75	Tampa Bay to Cape San Blas	1:456,000	29×32	1934
1115	.75	Cape St. George to Mississippi Passes	1:456,000	32×39	1925
1116	.75	Mississippi River to Galveston	1:459,000	34×43	1936
1117	.75	Galveston to the Rio Grande	1:461,000	35×41	1919
1350	.75	Florida Keys, Fowey Rocks to American Shoal	1:180,000	33×37	1922
1351	.75	Florida Keys, American Shoal to Dry Tortugas	1:180,000	25×38	1922
		SPECIAL CHARTS FOR FISHING INDUSTRY			
3075	.75	Georges Bank, eastern part	1:225,000	33×40	1932
3076	.75	Georges Bank, western part	1:225,000	35×41	1934



COAST AND HARBOR CHARTS OF THE ATLANTIC COAST

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		NEW ENGLAND AREA				
225	$0.50	Approach to Penobscot Bay	Maine	1:40,000	30×33	1915
		Matinicus Harbor	do	1:5,000		
227	.25	Deer Island Thorofare and Casco Passage	do	1:20,000	19×33	1927
228	.25	Cape Neddick Harbor to York River	do	1:20,000	16×18	1936
229	.50	Portsmouth to Dover and Exeter	Me. and N. H	1:30,000	23×33	1914
230	.50	Boothbay Harbor to Bath	Maine	1:15,000	26×33	1922
231	.75	Saco Bay and vicinity	do	1:20,000	29×40	1929
235	.25	Fox Islands Thoroughfare	do	1:20,000	20×32	1914
288	.50	Kennebec River, Ahagadasset Point to Courthouse Point	do	1:15,000	21×34	1916
289	.50	Kennebec River, Courthouse Point to Augusta	do	1:15,000	22×34	1917
303	.75	Moose Cove to Englishman Bay, including Machias Bay	do	1:40,000	28×39	1919
304	.75	Cross Island to Nash Island	do	1:40,000	27×40	1926
305	.75	Nash Island to Schoodic Island	do	1:40,000	25×39	1931
306	.75	Frenchmans Bay and eastern part of Mount Desert Island	do	1:40,000	26×40	1926
307	.75	Blue Hill Bay and western part of Mount Desert Island	do	1:40,000	25×40	1926
308	.75	Blue Hill Bay and Eggemoggin Reach	do	1:40,000	26×39	1931
309	.75	East Penobscot Bay	do	1:40,000	25×40	1931
310	.75	West Penobscot Bay	do	1:40,000	26×40	1927
311	.75	Penobscot River	do	1:40,000	26×41	1932
312	.75	St. George River and Muscle Ridge Channel	do	1:40,000	26×38	1929
313	.75	Damariscotta and Medomak Rivers	do	1:40,000	26×39	1933
314	.75	Kennebec and Sheepscot Rivers	do	1:40,000	24×39	1935
315	.75	Casco Bay	do	1:40,000	35×41	1933
317	.25	Winter Harbor, Schoodic Peninsula	do	1:20,000	15×19	1919
318	.25	Bar Harbor, Mount Desert Island	do	1:10,000	13×16	1926
319	.25	Belfast Harbor	do	1:20,000	12×14	1917
320	.25	Rockland Harbor	do	1:20,000	21×22	1936
321	.25	Camden and Rockport Harbors	do	1:20,000	15×18	1933
325	.50	Portland Harbor	do	1:20,000	26×29	1936
329	.50	Portsmouth Harbor	Me. and N. H	1:10,000	30×33	1923
330	.25	Isles of Shoals	do	1:20,000	15×18	1930
801	.75	Calais to West Quoddy Head	Maine	1:40,000	31×46	1919
1201	.75	Quoddy Roads to Petit Manan Island	do	1:80,000	31×41	1921
1202	.75	Frenchman and Blue Hill Bays, and approaches	do	1:80,000	32×41	1932
1203	.75	Penobscot Bay and approaches	do	1:80,000	32×42	1936
1204	.75	Monhegan Island to Cape Elizabeth	do	1:80,000	31×40	1931
1205	.75	Cape Elizabeth to Portsmouth	Me. and N. H	1:80,000	30×37	1930
1206	.75	Portsmouth to Cape Ann	N. H. and Mass	1:80,000	32×38	1929



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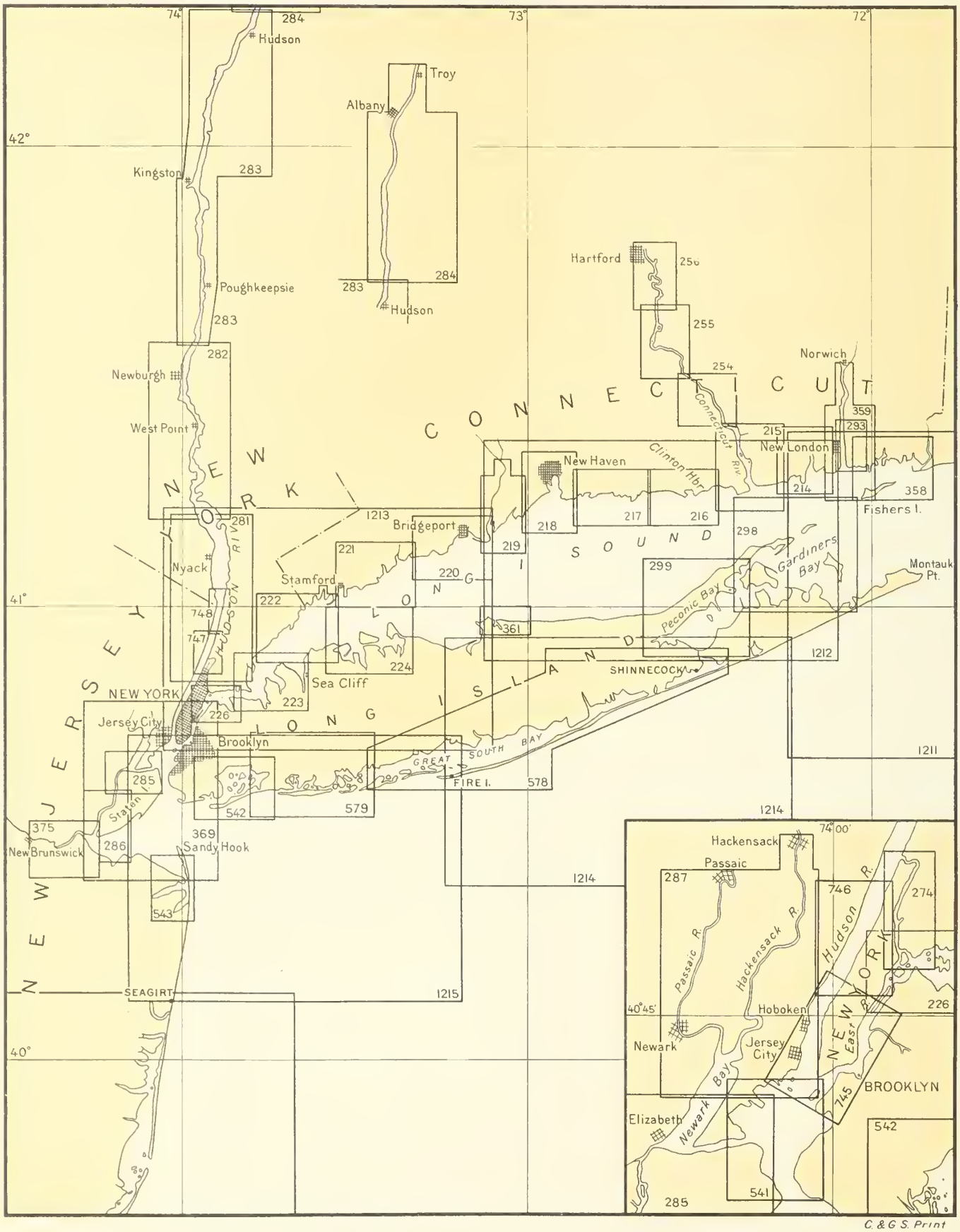
COAST AND HARBOR CHARTS OF THE ATLANTIC COAST – CONTINUED

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		NEW ENGLAND AREA—continued				
232	$0.25	Scituate Harbor	Massachusetts	1:5,000	16×20	1936
233	.50	Gloucester Harbor and Annisquam River	do	1:10,000	22×42	1933
236	.50	Newport Harbor and entrance to Narragansett Bay	Rhode Island	1:20,000	25×37	1937
237	.75	Westport River and approaches	do	1:20,000	35×43	1937
240	.75	Salem and Lynn Harbors	Massachusetts	1:20,000	35×42	1936
242	.50	Cohasset Harbor	do	1:5,000	26×31	1933
243	.75	Ipswich Bay to Gloucester Harbor	do	1:20,000	34×39	1933
		Rockport Inner Harbor		1:5,000		
245	.75	Harbors of Plymouth, Kingston, and Duxbury	Massachusetts	1:20,000	28×38	1932
246	.75	Boston Harbor	do	1:20,000	34×44	1936
247	.50	Hyannis Harbor	do	1:20,000	26×27	1933
248	.75	Boston Inner Harbor	do	1:10,000	33×41	1935
249	.75	Buzzards Bay	do	1:40,000	33×43	1937
250	.50	Eastern entrance to Nantucket Sound	do	1:40,000	25×34	1935
251	.75	Head of Buzzards Bay	do	1:20,000	34×41	1936
252	.75	New Bedford Harbor and approaches	do	1:20,000	34×35	1935
262	.25	Narragansett Bay Eastern Passage, Carrs Point to Sandy Point	Rhode Island	1:10,000	22×23	1933
276	.50	Harbors of Refuge at Point Judith and Block Island	do	1:10,000	20×44	1935
278	.75	Providence River and Head of Narragansett Bay	do	1:20,000	31×38	1935
		Seekonk River, Continuation to Pawtucket		1:20,000		
297	.25	Cuttyhunk Harbor	Massachusetts	1:10,000	19×22	1934
339	.25	Barnstable Harbor	do	1:20,000	16×23	1914
343	.50	Nantucket Harbor	do	1:10,000	25×30	1936
345	.25	Robinsons Hole and Quicks Hole	do	1:10,000	19×25	1922
346	.50	Edgartown Harbor, Marthas Vineyard	do	1:20,000	25×32	1936
347	.50	Vineyard Haven	do	1:10,000	27×36	1934
348	.25	Woods Hole	do	1:10,000	14×21	1936
352	.25	Providence Harbor	Rhode Island	1:10,000	16×20	1935
353	.75	Narragansett Bay	do	1:40,000	31×46	1937
354	.25	Bristol Harbor and approaches	do	1:20,000	14×27	1934
355	.25	Warren River	do	1:10,000	15×20	1932
357	.25	Wickford Harbor, Narragansett Bay	do	1:20,000	15×18	1935
580	.75	Provincetown Harbor	Massachusetts	1:20,000	33×42	1934
581	.25	Wellfleet Harbor	do	1:40,000	21×25	1936
1207	.75	Massachusetts Bay	do	1:80,000	34×44	1935
1208	.75	Cape Cod Bay	do	1:80,000	32×41	1936
1209	.75	Nantucket Sound and Approaches	do	1:80,000	31×42	1933
1210	.75	Marthas Vineyard to Block Island, including Buzzards and Narragansett Bays	Mass. and R. I.	1:80,000	34×42	1937
1211	.75	Block Island Sound and approaches	R. I., Conn., and N. Y.	1:80,000	34×40	1936



C. & G. S. Print

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST — CONTINUED

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		LONG ISLAND AREA				
214	$0.50	Goshen Point to Hatchett Point, including Niantic Bay	Connecticut	1:20,000	28×31	1925
215	.75	Connecticut River, entrance to Deep River	do	1:20,000	33×40	1933
216	.50	Duck Island to Madison Reef	do	1:20,000	27×35	1936
217	.50	Guilford Harbor to East Haven River	do	1:20,000	27×37	1935
218	.75	New Haven Harbor	do	1:20,000	28×37	1936
219	.50	Milford to Stratford including Housatonic River	do	1:20,000	22×36	1935
220	.75	Stratford to Sherwood Point	do	1:20,000	32×40	1935
221	.75	Sherwood Point to Stamford Harbor	do	1:20,000	32×39	1935
222	.75	Greenwich Point to New Rochelle	Conn. and N. Y.	1:20,000	33×43	1936
223	.75	Long Island Sound and East River (Hempstead Harbor to Tallman Is.)	L. I., N. Y.	1:20,000	28×36	1937
224	.75	Oyster and Huntington Bays	do	1:20,000	33×43	1932
226	.75	East River, Tallman Island to Queensboro Bridge	do	1:10,000	30×44	1937
		Little Hell Gate		1:5,000		
254	.50	Connecticut River, Deep River to Higganum	Connecticut	1:20,000	26×29	1935
255	.50	Connecticut River, Higganum to Rocky Hill	do	1:20,000	24×37	1933
256	.50	Connecticut River, Rocky Hill to Hartford	do	1:20,000	20×36	1933
274	.25	Harlem River	New York	1:10,000	16×41	1935
281	.50	Hudson River—New York to Haverstraw	N. Y. and N. J.	1:40,000	20×41	1935
282	.50	Hudson River—Haverstraw to Newburgh	New York	1:40,000	20×43	1935
283	.75	Hudson River—Poughkeepsie to Hudson	do	1:40,000	30×41	1936
284	.50	Hudson River—Cocksackie to Troy	do	1:40,000	20×41	1935
285	.75	Kill Van Kull and Northern Part of Arthur Kill	N. Y. and N. J.	1:15,000	32×37	1937
286	.75	Raritan Bay and Southern Part of Arthur Kill	do	1:15,000	29×44	1936
287	.75	Passaic and Hackensack Rivers	New Jersey	1:20,000	28×41	1936
293	.75	New London Harbor and Naval Reservation	Connecticut	1:10,000	30×45	1935
		Thames River—New London to Naval Reservation		1:5,000		
298	.50	Gardiners Bay, Long Island	New York	1:40,000	29×31	1935
299	.25	Peconic Bay, Long Island	do	1:40,000	25×27	1935
		Mattituck Inlet		1:10,000		
358	.75	Fishers Island Sound	R. I., Conn., and N. Y.	1:20,000	28×41	1932
359	.75	Thames River—Harbor of New London and approaches	Connecticut	1:20,000	25×42	1935
361	.75	Port Jefferson and Mount Sinai Harbors	New York	1:10,000	29×39	1933
369	.75	New York Harbor	N. Y. and N. J.	1:40,000	34×44	1936
375	.50	Raritan River	New Jersey	1:20,000	20×34	1935
541	.75	New York Harbor, Upper Bay and Narrows (anchorage chart)	N. Y. and N. J.	1:10,000	34×44	1936
542	.75	Jamaica Bay and Rockaway Inlet	New York	1:20,000	31×40	1937
543	.50	Shrewsbury River	New Jersey	1:20,000	22×32	1936
578	.75	Inland Waters, Shinnecock Bay to Great South Bay	L. I., N. Y.	1:40,000	34×45	1934
579	.25	Hempstead Bay	do	1:40,000	20×30	1937
745	.75	Hudson and East Rivers from West 67th Street to Blackwells Island	N. Y. and N. J.	1:10,000	31×46	1936
746	.75	Hudson River, Days Point to Fort Washington Point	do	1:10,000	28×41	1935
747	.75	Hudson River, Fort Washington Point to Yonkers	do	1:10,000	25×44	1935
748	.75	Hudson River—Yonkers to Piermont	do	1:10,000	22×45	1932
1211	.75	Block Island Sound and approaches	R. I., Conn., and N. Y.	1:80,000	34×40	1936
1212	.75	Long Island Sound, eastern part	Conn. and N. Y.	1:80,000	28×44	1936
1213	.75	Long Island Sound, western part	do	1:80,000	30×40	1935
1214	.75	Shinnecock Light to Fire Island Light	New York	1:80,000	31×43	1936
1215	.75	Approaches to New York, Fire Island Light to Sea Girt Light	N. Y. and N. J.	1:80,000	33×41	1937

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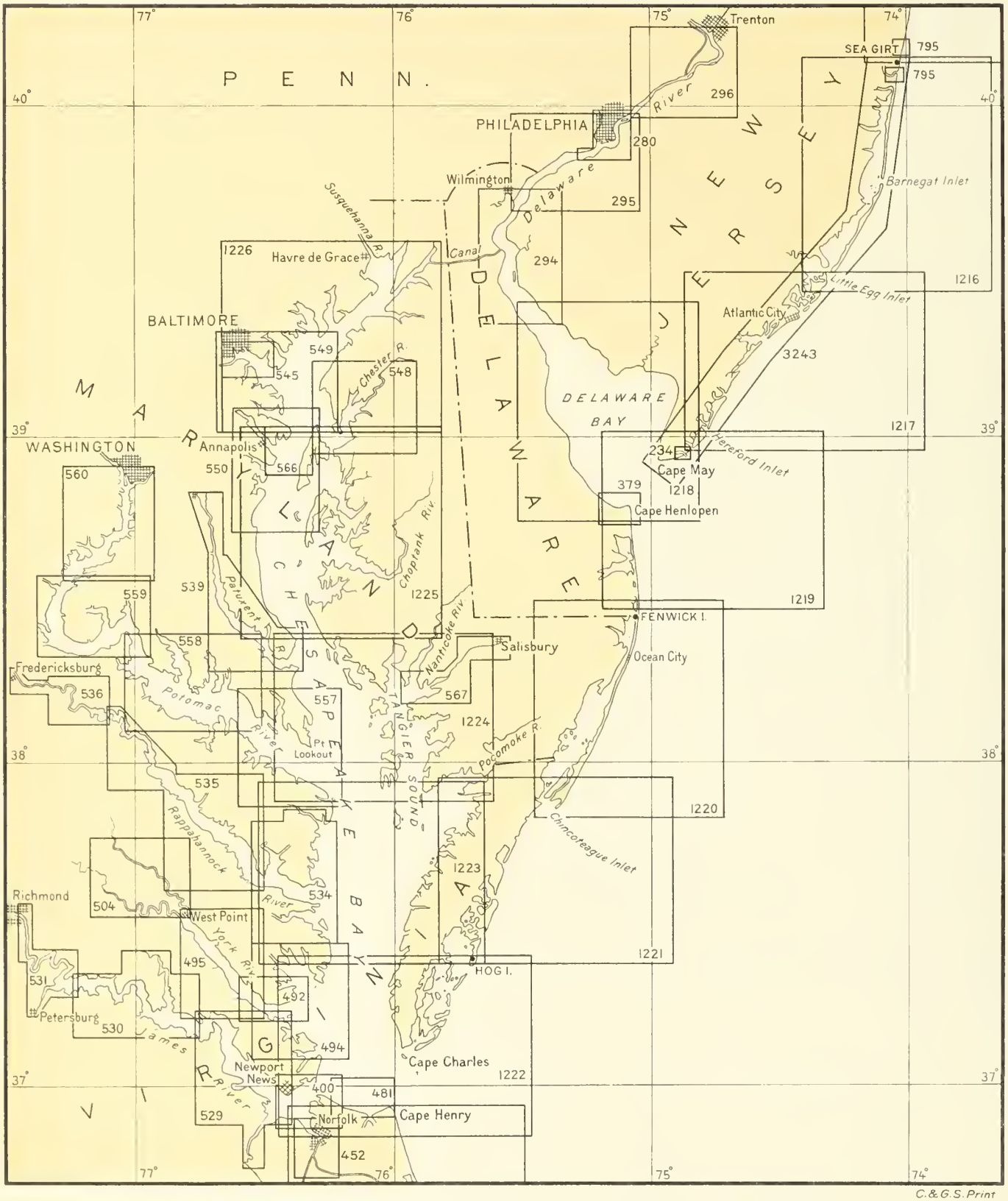
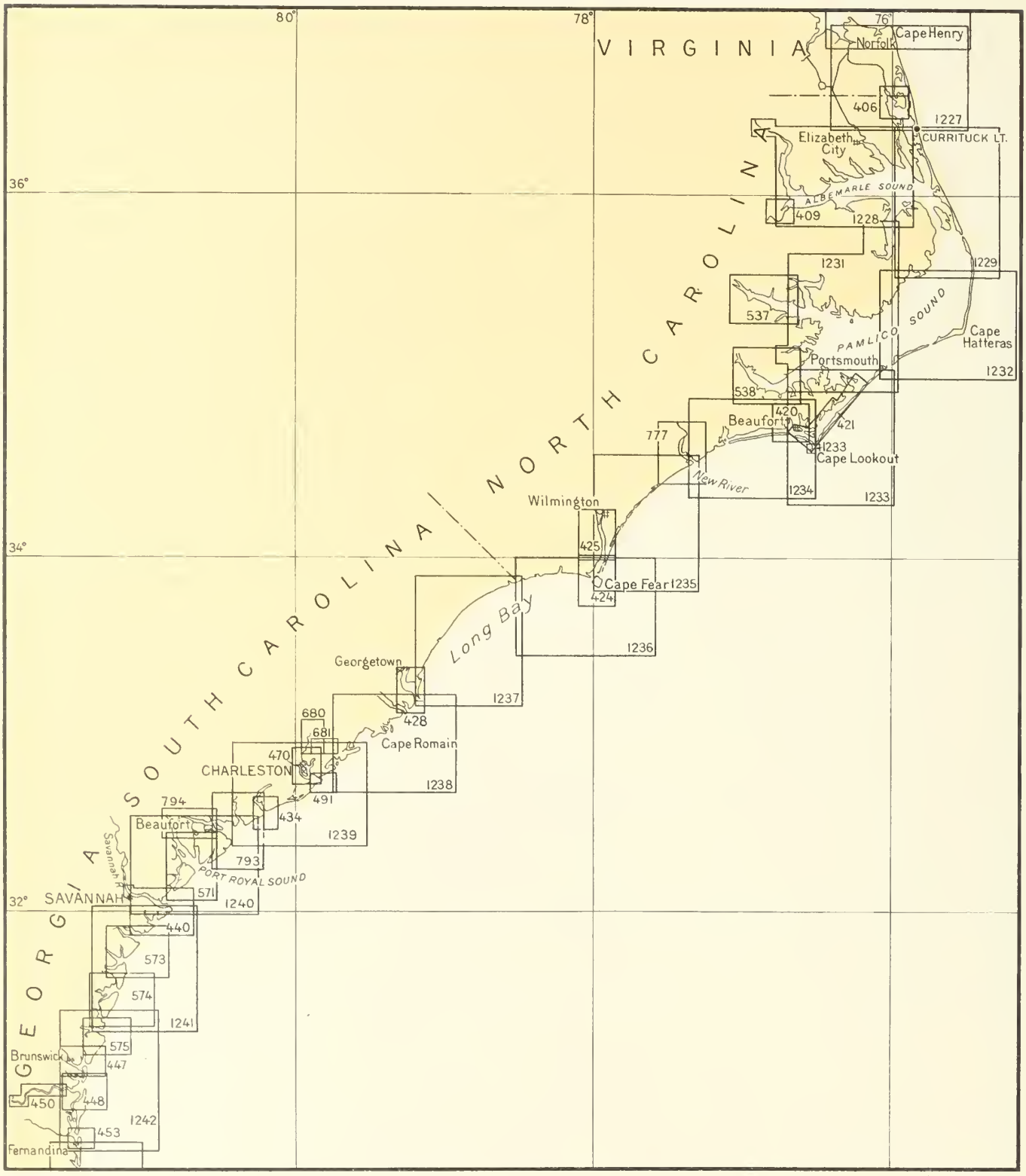


C.&G.S. Print

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST — CONTINUED

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		CHESAPEAKE AND DELAWARE BAYS AREA				
234	$0.25	Cape May Harbor	New Jersey	1:10,000	18×25	1936
280	.75	Philadelphia and Camden waterfronts	Pa. and N. J.	1:15,000	34×41	1936
294	.75	Delaware River—Bombay Hook to Wilmington	N. J. and Del.	1:40,000	29×45	1934
295	.75	Delaware River—Wilmington to Philadelphia	N. J. and Pa.	1:40,000	32×43	1936
296	.50	Delaware River—Philadelphia to Trenton	do	1:40,000	28×33	1936
		Trenton		1:20,000		
379	.25	Cape Henlopen and the Delaware Breakwater	Delaware	1:20,000	21×27	1936
400	.75	Hampton Roads	Virginia	1:20,000	34×41	1931
452	.75	Norfolk Harbor and Elizabeth River	do	1:20,000	33×41	1935
481	.75	Cape Henry to Thimble Shoal Light	do	1:20,000	29×43	1936
492	.75	York River, Below Kings Creek	do	1:20,000	32×46	1934
494	.75	York River, entrance to Yorktown	do	1:40,000	32×41	1933
495	.75	York River, Yorktown to Westpoint	do	1:40,000	31×40	1931
504	.75	Pamunkey and Mattaponi Rivers	do	1:40,000	34×41	1936
529	.75	James River, Newport News to Jamestown	do	1:40,000	34×40	1932
530	.50	James River, Jamestown Island to Jordan Point	do	1:40,000	21×41	1932
531	.75	James River, Jordan Point to Richmond	do	1:20,000	31×41	1936
534	.75	Rappahannock River Entrance and Great Wicomico River	do	1:40,000	33×42	1933
535	.75	Rappahannock River—Towles Point to Marsh Point	do	1:40,000	33×40	1932
536	.75	Rappahannock River—Marsh Point to Fredericksburg	do	1:20,000	32×41	1935
539	.75	Patuxent River	Maryland	1:40,000	32×38	1934
545	.75	Baltimore Harbor	do	1:15,000	30×40	1936
548	.75	Chester River	do	1:40,000	33×34	1935
549	.75	Approaches to Baltimore Harbor	do	1:40,000	33×39	1935
550	.75	Chesapeake Bay—Herring Bay to Magothy River	do	1:40,000	29×43	1935
557	.75	Potomac River, entrance to Piney Point	Md. and Va.	1:40,000	35×40	1930
558	.75	Potomac River, Piney Point to Lower Cedar Point	do	1:40,000	34×45	1935
559	.75	Potomac River, Lower Cedar Point to Mattawoman Creek	do	1:40,000	30×39	1935
560	.75	Potomac River, Mattawoman Creek to Georgetown	Md., Va., and D. C.	1:40,000	29×40	1936
		Washington Harbor		1:20,000		
566	.75	Chesapeake Bay—Thomas Point to Sandy Point	Maryland	1:20,000	32×34	1935
567	.75	Wicomico River	do	1:20,000	34×44	1934
795	.50	Shark and Manasquan Rivers	New Jersey	1:10,000	24×34	1937
1216	.75	Sea Girt Light to Little Egg Inlet	do	1:80,000	33×39	1933
		Little Egg Inlet		1:40,000		
1217	.75	Little Egg Inlet to Hereford Inlet	New Jersey	1:80,000	32×41	1936
		Absecon Inlet		1:40,000		
1218	.75	Delaware Bay	N. J. and Del.	1:80,000	31×38	1932
1219	.75	Cape May to Fenwick Island Light	do	1:80,000	32×38	1931
1220	.75	Fenwick Island Light to Chincoteague Inlet	Md. and Va.	1:80,000	33×38	1937
1221	.75	Chincoteague Inlet to Hog Island Light	Virginia	1:80,000	31×41	1928
1222	.75	Chesapeake Bay Entrance	do	1:80,000	33×43	1937
1223	.75	Chesapeake Bay—Wolf Trap to Smith Point	Md. and Va.	1:80,000	31×39	1932
1224	.75	Chesapeake Bay—Smith Point to Cove Point	do	1:80,000	30×41	1934
1225	.75	Chesapeake Bay—Cove Point to Sandy Point	Maryland	1:80,000	35×38	1935
1226	.75	Chesapeake Bay—Sandy Point to Head of Bay	do	1:80,000	34×38	1935
		Back Creek		1:20,000		
3243	.25	Coast of New Jersey (Inside) Manasquan to Cape May	New Jersey	1:80,000	24×29	1935



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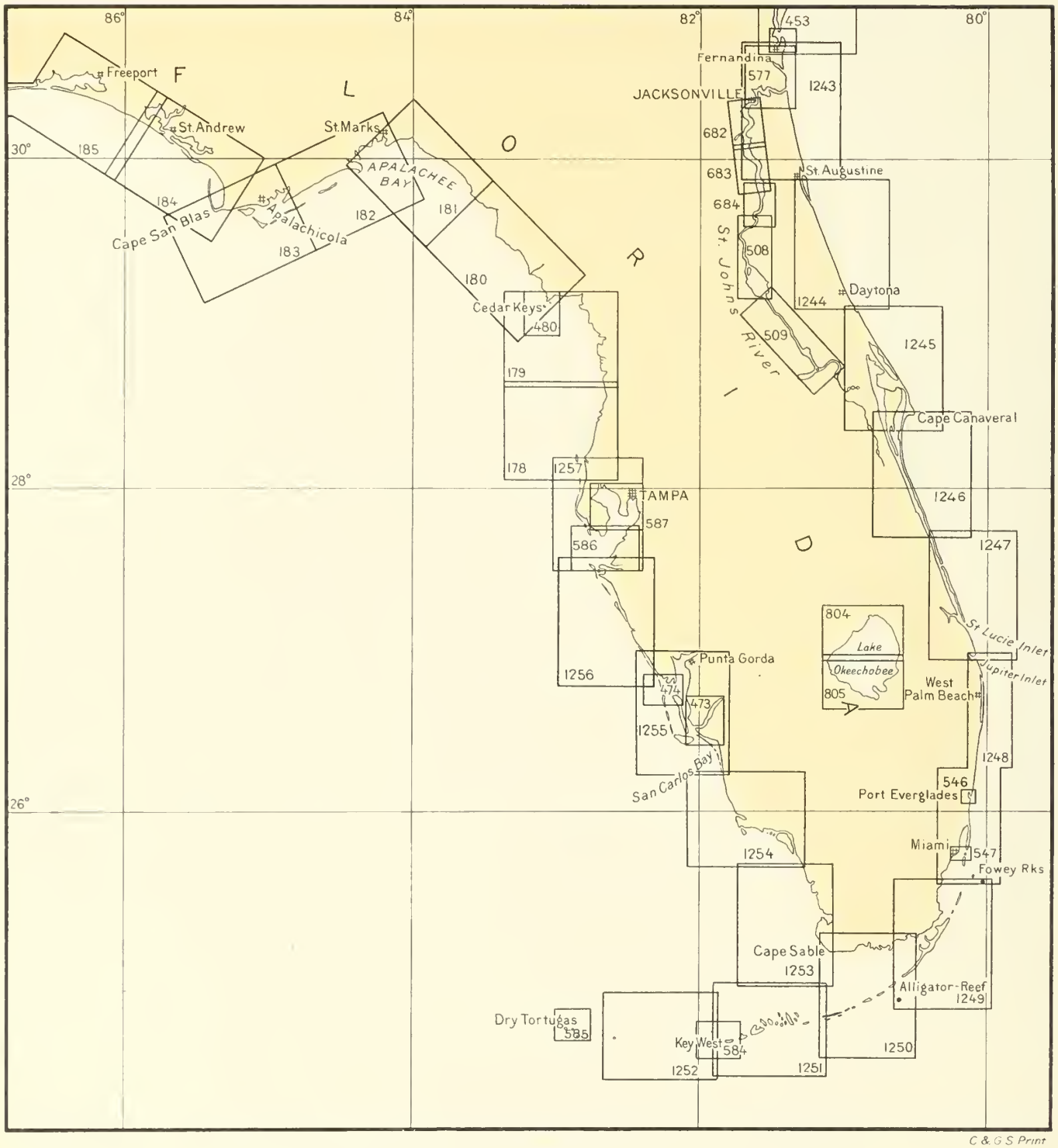
COAST AND HARBOR CHARTS OF THE ATLANTIC COAST -- CONTINUED

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		VIRGINIA TO GEORGIA				
406	$0.25	North Landing River	N. C. and Va	1:40,000	16×21	1916
409	.25	Mouths of Roanoke River	North Carolina	1:30,000	19×21	1929
420	.25	Beaufort Inlet	do	1:40,000	23×24	1937
421	.25	Core Sound and Straits	do	1:40,000	20×33	1932
424	.50	Cape Fear River from entrance to Reaves Point	do	1:40,000	25×30	1936
425	.50	Cape Fear River from Reaves Point to Wilmington	do	1:40,000	25×31	1933
428	.25	Winyah Bay	South Carolina	1:40,000	20×29	1937
		Georgetown Harbor		1:10,000		
434	.25	North Edisto River	do	1:50,000	14×17	1924
440	.75	Savannah River and Wassaw Sound	Georgia	1:40,000	31×40	1935
447	.25	St. Simon Sound, Brunswick Harbor, and Turtle River	do	1:40,000	19×34	1937
448	.25	St. Andrew Sound	do	1:40,000	24×29	1926
450	.75	Satilla River, Bailey Cut to Burnt Fort	do	1:20,000	30×43	1920
453	.50	Fernandina Harbor	Florida	1:20,000	25×30	1936
470	.75	Charleston Harbor	South Carolina	1:20,000	33×42	1936
491	.50	Charleston Harbor Entrance	do	1:20,000	27×36	1936
537	.75	Pamlico River	North Carolina	1:40,000	30×41	1937
538	.75	Neuse River and upper part of Bay River	do	1:40,000	34×42	1921
571	.75	Port Royal Sound and inland passages	South Carolina	1:40,000	33×42	1936
573	.75	Ossabaw Sound and St. Catherines Sound	Georgia	1:40,000	31×40	1927
574	.75	Sapelo and Doboy Sounds	do	1:40,000	33×41	1927
575	.25	Altamaha Sound	do	1:40,000	19×31	1927
680	.75	Cooper River above Goose Creek	South Carolina	1:20,000	29×44	1931
681	.25	Wando River, Upper Part	do	1:20,000	14×26	1930
777	.75	New River	North Carolina	1:40,000	29×39	1935
793	.75	St. Helena Sound	South Carolina	1:40,000	30×43	1937
794	.25	Parts of Coosaw and Broad Rivers	do	1:40,000	19×36	1937
1227	.75	Cape Henry to Currituck Beach Light	Va. and N. C	1:80,000	32×41	1937
1228	.75	Albemarle Sound	North Carolina	1:80,000	31×42	1936
1229	.75	Currituck Beach to Wimble Shoals	do	1:80,000	32×46	1936
1231	.75	Pamlico Sound, western part	do	1:80,000	34×42	1936
1232	.75	Cape Hatteras, Wimble Shoals to Ocracoke Inlet	do	1:80,000	32×42	1928
1233	.75	Portsmouth Island to Beaufort, including Cape Lookout Shoals	do	1:80,000	34×42	1932
		Lookout Bight		1:20,000		
1234	.75	Cape Lookout to New River	North Carolina	1:80,000	31×39	1936
1235	.75	New River Inlet to Cape Fear	do	1:80,000	33×42	1935
1236	.75	Approaches to Cape Fear River	do	1:80,000	31×44	1933
1237	.75	Little River Inlet to Winyah Bay Entrance	South Carolina	1:80,000	33×41	1929
1238	.75	Winyah Bay Entrance to Isle of Palms	do	1:80,000	32×42	1928
1239	.75	Charleston Harbor and Approaches	do	1:80,000	32×43	1930
1240	.75	St. Helena Sound to Savannah River	S. C. and Ga	1:80,000	32×41	1933
1241	.75	Tybee Island to Doboy Sound	Georgia	1:80,000	33×40	1928
1242	.75	Doboy Sound to Fernandina	Georgia and Florida	1:80,000	33×41	1931



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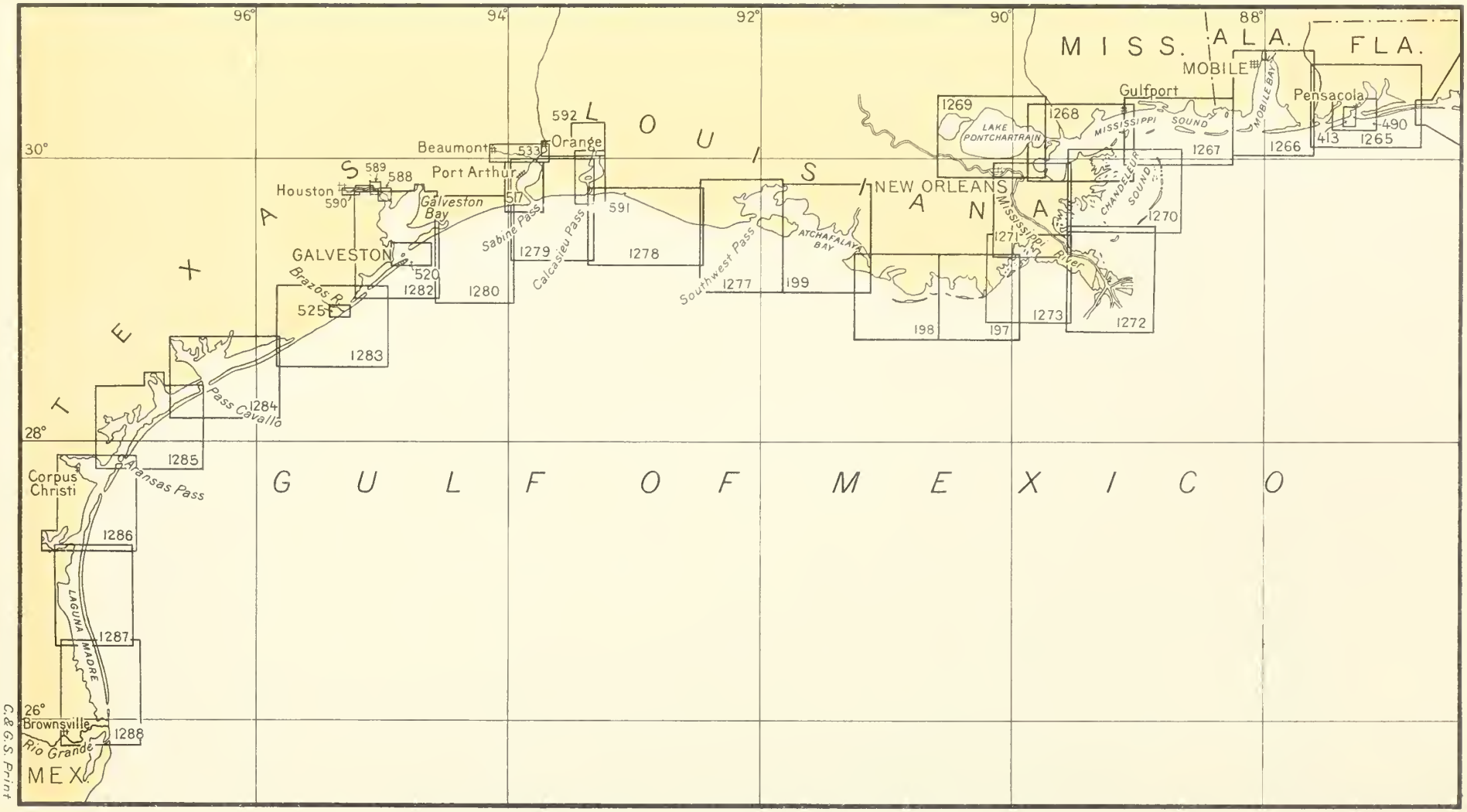
COAST AND HARBOR CHARTS OF THE ATLANTIC AND GULF COASTS

COAST AND HARBOR CHARTS OF THE ATLANTIC AND GULF COASTS

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		GEORGIA AND FLORIDA COASTS				
178	$0.75	St. Joseph Sound to Wall Creek, including Anclote Anchorage	Florida	1:80,000	34×40	1928
179	.75	Wall Creek to Cedar Keys	do	1:80,000	34×40	1931
180	.75	Cedar Keys to Deadman's Bay	do	1:80,000	33×43	1930
181	.75	Apalachee Bay	do	1:80,000	33×42	1885
182	.75	Apalachee Bay and St. George Sound	do	1:80,000	33×41	1935
183	.75	Apalachicola Bay to Cape San Blas	do	1:80,000	33×41	1933
184	.75	St. Joseph and St. Andrew Bays	do	1:80,000	33×41	1935
185	.75	Choctawhatchee Bay	do	1:80,000	33×41	1935
453	.50	Fernandina Harbor	Florida and Georgia	1:20,000	25×30	1936
473	.50	San Carlos Bay and Caloosahatchee River	Florida	1:40,000	28×35	1930
474	.25	Main entrance to Charlotte Harbor	do	1:40,000	22×27	1933
480	.25	Cedar Keys	do	1:50,000	19×26	1930
508	.50	St. Johns River, Palatka to Lake George	do	1:40,000	27×33	1927
509	.50	St. Johns River, Lake George to Lake Harney	do	1:40,000	32×33	1928
546	.75	Port Everglades	do	1:5,000	32×37	1936
547	.75	Miami Harbor	do	1:10,000	24×45	1936
577	.75	Fernandina to Jacksonville	do	1:40,000	33×41	1936
584	.75	Key West Harbor and approaches	do	1:30,000	34×42	1933
585	.50	Dry Tortugas	do	1:30,000	28×34	1922
		Tortugas Harbor		1:10,000		
586	.75	Tampa Bay, Southern Part	Florida	1:40,000	30×42	1935
587	.75	Tampa Bay, Northern Part	do	1:40,000	32×36	1936
		St. Petersburg		1:20,000		
		Tampa		1:20,000		
682	.25	St. Johns River, from Jacksonville to Hibernia	Florida	1:40,000	21×32	1927
683	.25	St. Johns River, from Hibernia to Racy Point	do	1:40,000	21×32	1900
684	.25	St. Johns River, from Tocoi to San Mateo	do	1:40,000	21×29	1933
804	.75	Lake Okeechobee, Northern Half	do	1:50,000	29×43	1926
805	.75	Lake Okeechobee, Southern Half	do	1:50,000	29×43	1936
1243	.75	Amelia Island to St. Augustine	do	1:80,000	32×45	1934
1244	.75	St. Augustine Light to Ponce de Leon Inlet Light	do	1:80,000	32×45	1930
1245	.75	Ponce de Leon Inlet to Cape Canaveral	do	1:80,000	33×43	1931
1246	.75	Cape Canaveral to Bethel Shoal	do	1:80,000	33×43	1932
1247	.75	Bethel Shoal to Jupiter Inlet	do	1:80,000	33×45	1932
1248	.75	Jupiter Inlet to Fowey Rocks	do	1:80,000	33×38	1931
1249	.75	Fowey Rocks to Alligator Reef	do	1:80,000	33×45	1936
1250	.75	Florida Keys, Alligator Reef to Sombrero Key	do	1:80,000	34×41	1936
1251	.75	Florida Keys, Sombrero Key to Sand Key	do	1:80,000	33×42	1932
1252	.75	Sand Key to Rebecca Shoal	do	1:80,000	31×41	1933
1253	.75	East Cape to Mormon Key	do	1:80,000	33×42	1932
1254	.75	Chatham River to Clam Pass	do	1:80,000	32×42	1932
1255	.75	Estero Bay to Lemon Bay, including Charlotte Harbor	do	1:80,000	32×42	1929
1256	.75	Lemon Bay to Passage Key Inlet	do	1:80,000	32×44	1928
1257	.75	Tampa Bay and St. Joseph Sound	do	1:80,000	33×40	1935



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COAST AND HARBOR CHARTS OF THE GULF COAST

COAST AND HARBOR CHARTS OF THE GULF COAST

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		PENSACOLA TO THE RIO GRANDE				
197	$0.75	Barataria Bay to Terrebonne Bay	Louisiana	1:80,000	33×41	1932
198	.75	Caillou Bay and Ship Shoal	do	1:80,000	33×41	1932
199	.75	Point au Fer to Marsh Island	do	1:80,000	34×44	1934
413	.50	Pensacola Bay Entrance	Florida	1:10,000	27×36	1937
490	.75	Pensacola Bay	do	1:30,000	33×41	1937
517	.75	Sabine Pass and Lake	Louisiana and Texas	1:40,000	25×44	1934
520	.50	Galveston Bay Entrance	Texas	1:30,000	20×35	1936
525	.75	Brazos River Entrance	do	1:10,000	28×39	1935
533	.50	Sabine and Neches Rivers	do	1:40,000	17×42	1933
588	.75	Houston Ship Channel, Atkinson Island to Alexander Island	do	1:10,000	30×41	1937
589	.75	Houston Ship Channel, Alexander Island to Carpenter Bayou	do	1:10,000	32×34	1937
590	.75	Houston Ship Channel, Carpenter Bayou to Houston	do	1:10,000	32×44	1933
591	.75	Calcasieu Lake	Louisiana	1:40,000	27×42	1935
592	.50	Lake Charles to Sabine River	do	1:40,000	27×33	1935
1265	.75	Pensacola Bay and approaches	Florida	1:80,000	31×42	1937
1266	.75	Mobile Bay and Entrance	Alabama	1:80,000	32×41	1936
		Mobile Ship Channel, northern end	do	1:25,000		
1267	.75	Mississippi Sound and approaches, Dauphin Island to Cat Island	Ala. and Miss	1:80,000	27×41	1933
1268	.75	Lake Borgne and approaches, Cat Island to Point Aux Herbes	Miss. and La	1:80,000	30×40	1933
1269	.75	Lake Pontchartrain and Maurepas	Louisiana	1:80,000	30×42	1934
1270	.75	Chandeleur and Breton Sounds	do	1:80,000	32×43	1924
1271	.75	Mississippi River, Buras to New Orleans	do	1:80,000	30×37	1925
1272	.75	Mississippi River Delta	do	1:80,000	33×42	1935
1273	.75	Barataria Bay and approaches	do	1:80,000	33×41	1937
1277	.75	Vermilion Bay and approaches	do	1:80,000	33×44	1921
1278	.75	Rollover Bayou to Calcasieu Pass	do	1:80,000	33×43	1937
1279	.75	Calcasieu Pass to Sabine Pass	Louisiana and Texas	1:80,000	33×42	1934
1280	.75	Sabine Bank to East Bay, including Heald Bank	Texas	1:80,000	31×42	1925
1282	.75	Galveston Bay and approaches	do	1:80,000	32×43	1936
1283	.75	San Luis Pass to Matagorda Bay	do	1:80,000	32×44	1935
1284	.75	Matagorda Bay and approaches	do	1:80,000	32×42	1922
1285	.75	Matagorda Light to Aransas Pass	do	1:80,000	33×42	1937
1286	.75	Aransas Pass to Baffin Bay	do	1:80,000	32×39	1936
		Aransas Pass	do	1:40,000		
1287	.75	Northern part of Laguna Madre	do	1:80,000	32×41	1923
1288	.75	Southern part of Laguna Madre	do	1:80,000	32×41	1933

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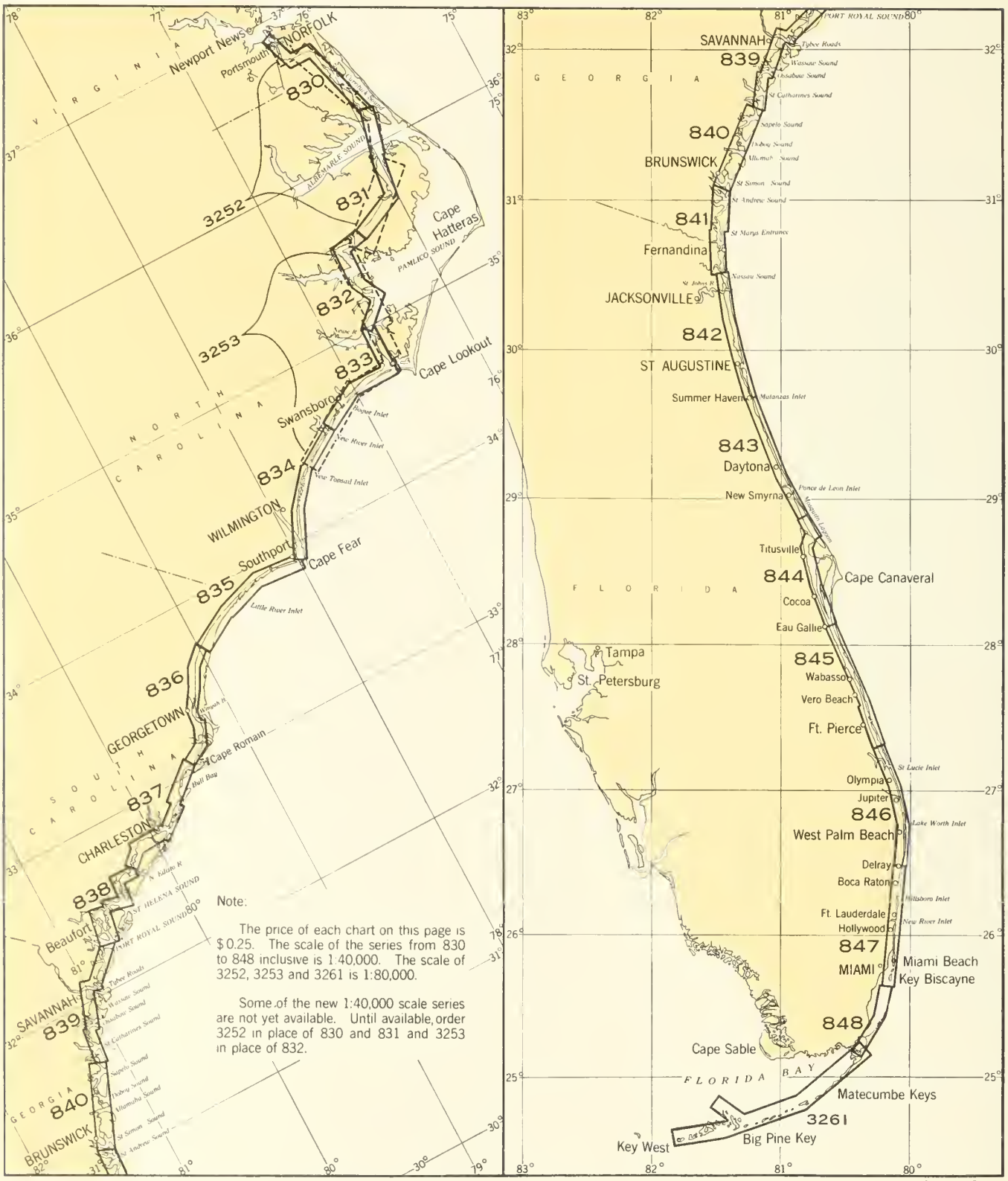

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INTRACOASTAL WATERWAYS (INSIDE ROUTE) CHARTS — NORFOLK TO KEY WEST

CHARTS COVERING THE INTRACOASTAL WATERWAYS (INSIDE ROUTE)—NEW YORK TO KEY WEST

Arranged in order of progression southward

See Intracoastal Waterways (Inside Route) Pilots, listed on page 52

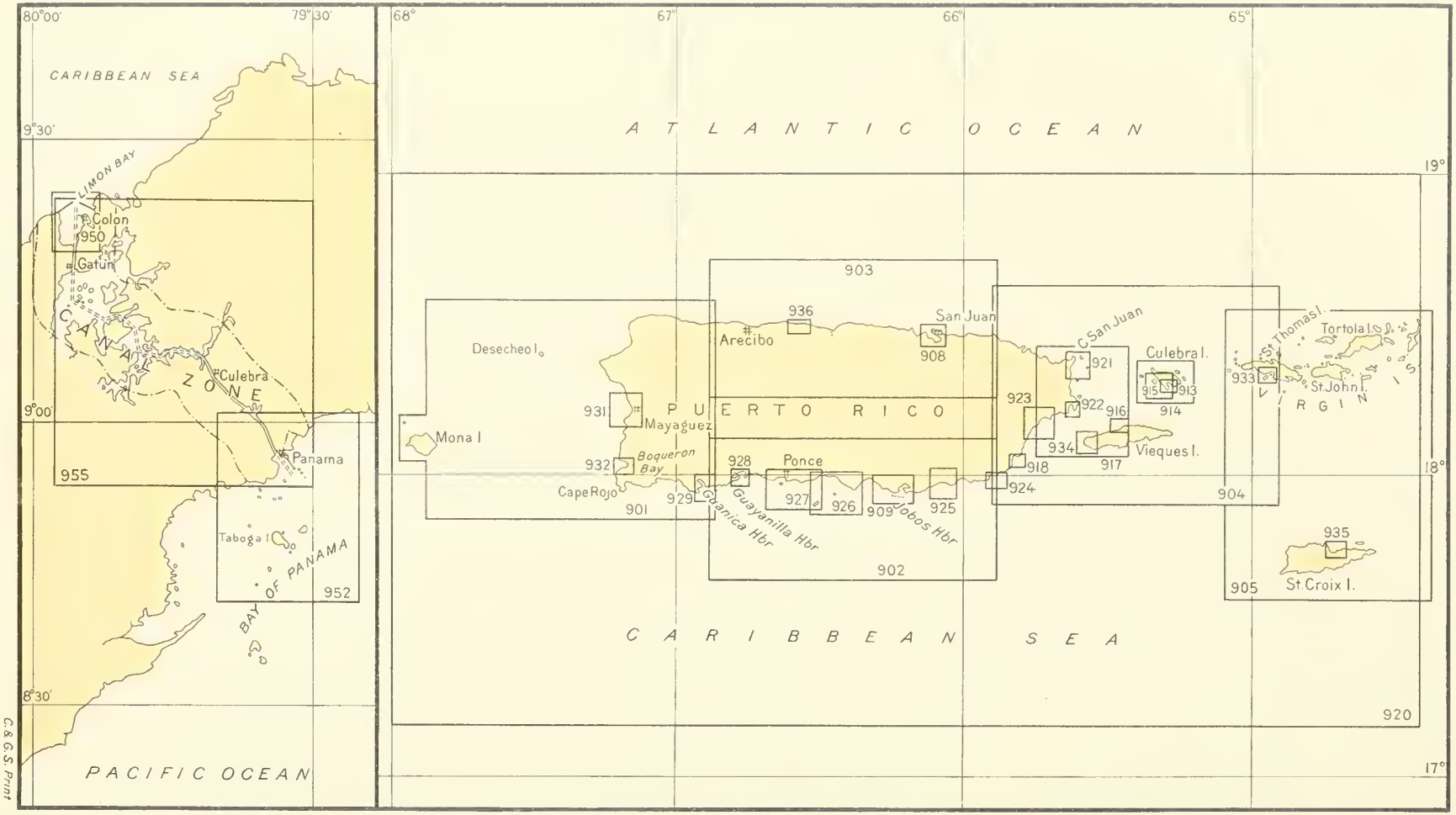
NEW YORK TO NORFOLK

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		Tbe following coast and harbor charts, listed with others on pp. 9, and 11, are relisted here as those best suited for this section of the route. For diagrams see pp. 2, 8, and 10.			
369	$0.75	New York Harbor, N. Y. and N. J	1:40,000	34×44	1936
1215	.75	Approaches to New York, Fire Island Light to Sea Girt Light, N. Y. and N. J	1:80,000	33×41	1937
3243	.25	Coast of New Jersey (inside) Manasquan to Cape May	1:80,000	24×29	1935
1218	.75	Delaware Bay, N. J. and Del	1:80,000	31×38	1932
294	.75	Delaware River—Bombay Hook to Wilmington, N. J. and Del	1:40,000	29×45	1934
1226	.75	Chesapeake Bay—Sandy Point to Head of Bay, Md	1:80,000	34×38	1935
1225	.75	Chesapeake Bay—Cove Point to Sandy Point, Md	1:80,000	35×38	1935
1224	.75	Chesapeake Bay—Smith Point to Cove Point, Md. and Va	1:80,000	30×41	1934
1223	.75	Chesapeake Bay—Wolf Trap to Smith Point, Md. and Va	1:80,000	31×39	1932
1222	.75	Chesapeake Bay Entrance, Va	1:80,000	33×43	1930

NORFOLK TO KEY WEST

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		The following series of intracoastal waterways (inside route) charts show the route in strips of convenient widths, with 3 strips to each sheet.			
*830	$0.25	Norfolk to North River, Va. and N. C	1:40,000	22×34	1937
*831	.25	North River to Alligator River, Pungo River Canal, N. C	1:40,000	22×34	1937
*832	.25	Alligator River, Pungo River Canal to Neuse River, N. C	1:40,000	22×34	1937
833	.25	Neuse River to New River Inlet, N. C	1:40,000	22×34	1937
834	.25	New River Inlet to Southport, N. C	1:40,000	22×34	1936
835	.25	Southport to Longitude 78°58′ N. C. and S. C	1:40,000	22×34	1936
836	.25	Longitude 78°58′ to McClellanville, S. C	1:40,000	22×34	1936
837	.25	McClellanville to Wadmalaw River, S. C	1:40,000	22×34	1936
838	.25	Wadmalaw River to Port Royal Sound, S. C	1:40,000	22×34	1936
839	.25	Port Royal Sound to Johnson Creek, S. C. and Ga	1:40,000	22×34	1936
840	.25	Johnson Creek to Brunswick River, Ga	1:40,000	22×34	1937
841	.25	Brunswick River to Nassau Sound, Ga. and Fla	1:40,000	22×34	1937
842	.25	Nassau Sound to Matanzas Inlet, Fla	1:40,000	22×34	1937
843	.25	Matanzas Inlet to Mosquito Lagoon, Fla	1:40,000	22×34	1937
844	.25	Mosquito Lagoon to Eau Gallie, Fla	1:40,000	22×34	1936
845	.25	Eau Gallie to Walton, Fla	1:40,000	22×34	1936
846	.25	Walton to Delray Beach, Fla	1:40,000	22×34	1936
847	.25	Delray Beach to Cape Florida, Fla	1:40,000	22×34	1936
848	.25	Cape Florida to Barnes Sound, Fla	1:40,000	22×34	1937
3261	.25	Barnes Sound, Fla., to Key West, Fla	1:80,000	22×34	1936
*3252	.25	Norfolk, Va., to Pungo River, N. C	1:80,000	22×34	1936
*3253	.25	Pungo River, N. C., to Topsail Sound, N. C	1:80,000	22×34	1936
		Cbarts showing more detail than the above are published for some sections of the route. Of these, the following listed on pp. 11, 13, and 15 are relisted here as especially valuable to supplement the special series. For diagrams see pp. 10, 12, and 14.			
452	.75	Norfolk Harbor and Elizabeth River, Va	1:20,000	33×41	1935
421	.25	Core Sound and Straits, N. C	1:40,000	20×33	1932
538	.75	Neuse River and upper part of Bay River, N. C	1:40,000	34×42	1921
420	.25	Beaufort Inlet, N. C	1:40,000	23×24	1937
440	.75	Savannah River and Wassaw Sound, Ga	1:40,000	31×40	1935
546	.75	Port Everglades, Fla	1:5,000	32×37	1937
547	.75	Miami Harbor, Fla	1:10,000	34×45	1936
577	.75	Fernandina to Jacksonville, Fla	1:40,000	33×41	1936
584	.75	Key West Harbor and approaches, Fla	1:30,000	34×42	1933
794	.25	Parts of Coosaw and Broad Rivers, S. C	1:40,000	19×36	1937

* 3252 and 3253 will be issued pending the publishing of 830, 831 and 832.



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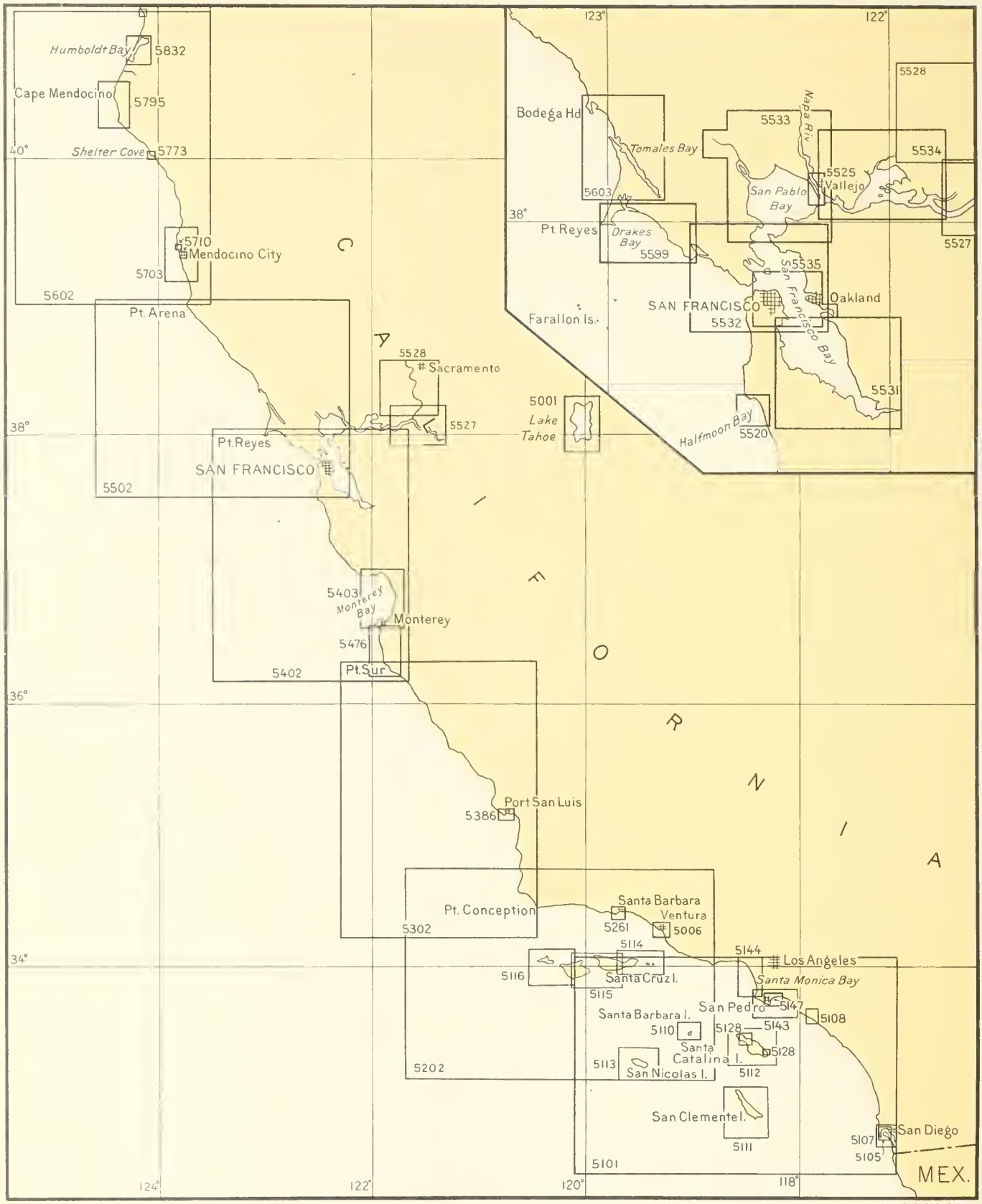
CHARTS OF PUERTO RICO, VIRGIN ISLANDS AND THE CANAL ZONE

CHARTS OF PUERTO RICO, VIRGIN ISLANDS, AND THE CANAL ZONE

No.	Price	Title	Island	Approximate scale	Size of border (inches)	Date
		GENERAL CHART				
920	$0.75	Puerto Rico and Virgin Islands (West Indies)		1:325,000	26×47	1931
		COAST AND HARBOR CHARTS OF PUERTO RICO AND VIRGIN ISLANDS				
901	.75	West Coast of Puerto Rico		1:100,000	33×43	1910
902	.75	South Coast of Puerto Rico		1:100,000	31×43	1929
903	.75	North Coast of Puerto Rico		1:100,000	31×42	1930
		Porto Arecibo		1:20,000		
904	.75	Virgin Passage and Vieques Sound		1:100,000	31×42	1930
905	.75	Virgin Islands, Virgin Gorda to St. Thomas and St. Croix		1:100,000	32×43	1934
908	.75	San Juan Harbor	Puerto Rico	1:10,000	33×39	1935
909	.50	Jabos Harbor	do	1:20,000	29×33	1909
913	.75	Great Harbor	Culebra	1:6,500	31×38	1923
914	.75	Culebra Island and approaches		1:20,000	32×43	1924
915	.50	Target Bay and vicinity	Culebra	1:10,000	25×37	1923
916	.25	Port Mulas and approaches	Vieques	1:10,000	23×26	1930
917	.75	San Juan Passage to Port Humacao and western part of Vieques Island		1:40,000	34×41	1930
918	.25	Port Yabucoa	Puerto Rico	1:10,000	19×20	1910
921	.75	Fajardo Harbor and approaches	do	1:10,000	32×41	1930
922	.25	Ensenada Honda	do	1:10 000	24×25	1934
923	.25	Point Lima to Batata Cay	do	1:20,000	22×24	1929
924	.25	Port Maunabo	do	1:20,000	19×20	1929
925	.25	Port Arroyo	do	1:20 000	20×26	1929
926	.75	Point Petrona to Muertos Island	do	1:20,000	33×38	1929
927	.75	Ponce Harbor and approaches	do	1:20,000	33×39	1933
928	.75	Guayanilla Harbor	do	1:10,000	34×36	1933
929	.75	Guanica Harbor	do	1:10,000	31×36	1921
931	.75	Mayaguez Bay and approaches	do	1:15,000	31×35	1933
932	.25	Boqueron Bay	do	1:10,000	23×24	1905
933	.25	Harbor of St. Thomas	West Indies	1:10,000	23×28	1936
934	.25	West Coast of Vieques Island		1:10,000	23×24	1929
935	.50	Christiansted Harbor	Saint Croix	1:10,000	25×32	1929
936	.50	Vicinity of Point Palmas Altas	Puerto Rico	1:10,000	26×36	1929
		CHARTS OF THE CANAL ZONE				
950	.75	Port of Cristobal, Panama Canal		1:15,000	28×35	1937
952	.75	Approaches to Panama Canal, Pacific coast		1:40,000	28×37	1934
955	.75	Panama Canal		1:60,000	34×39	1934
		Miraflores Lake		1:20,000		

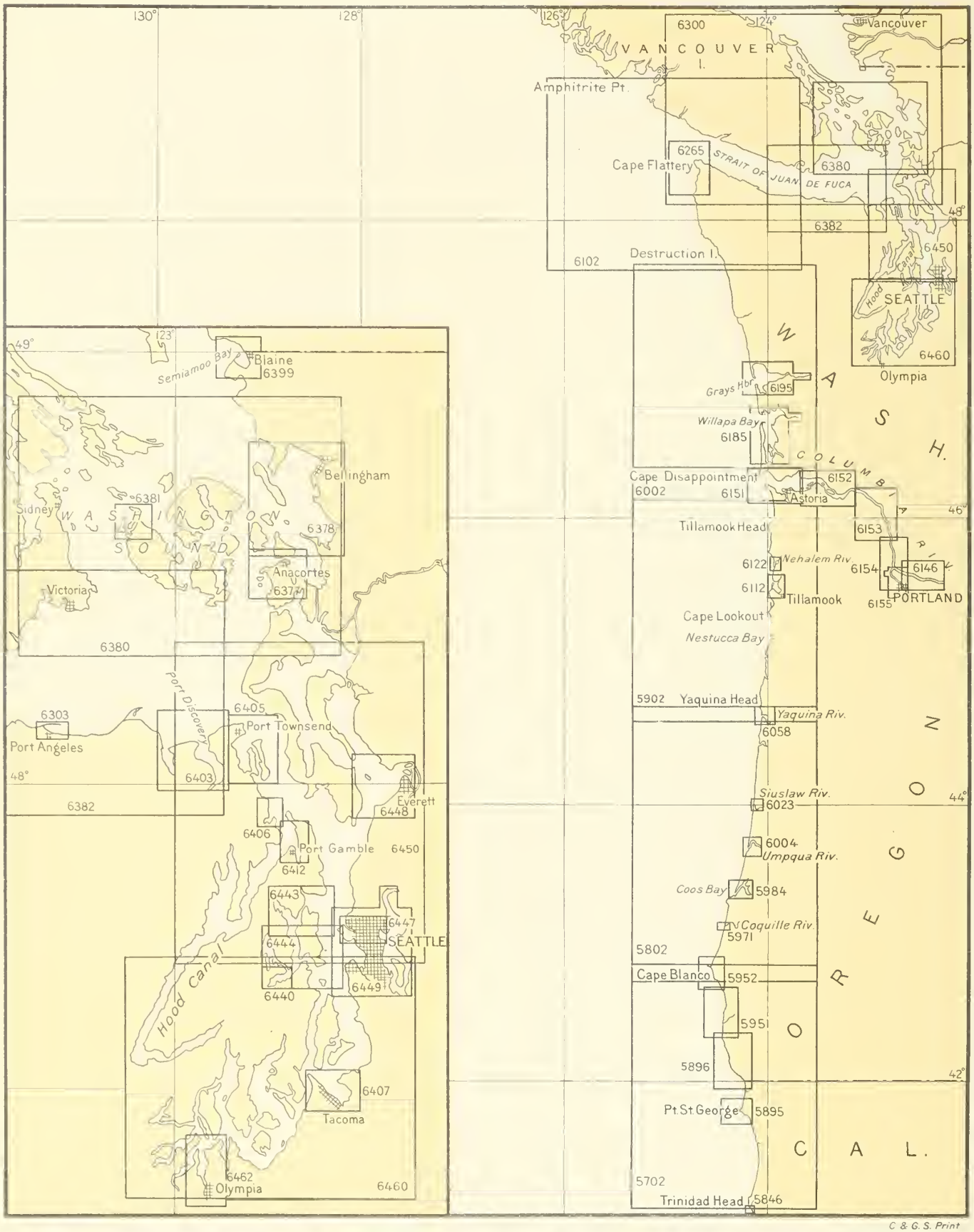


GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST

GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST

[Sailing Charts listed on page 27]

No.	Price	Title	State	Approximate scale	Size of border (inches)	Date
		SAN DIEGO TO HUMBOLDT BAY				
5006	$0.25	Ventura	California	1:20,000	19×19	1935
5101	.75	San Diego to Santa Rosa Island	do	1:235,100	34×50	1933
5105	.75	San Diego Bay	do	1:10,000	34×44	1937
5107	.75	San Diego Bay	do	1:20,000	33×37	1937
5108	.75	Newport Bay	do	1:10,000	28×37	1936
5110	.75	Santa Barbara Island	do	1:20,000	32×37	1935
5111	.75	San Clemente Island	do	1:40,000	33×39	1936
		Pyramid Cove		1:20,000		
		Northwest Harbor		1:20,000		
5112	.75	Santa Catalina Island	do	1:40,000	27×38	1936
5113	.75	San Nicolas Island	do	1:40,000	30×41	1936
		Prisoners Harbor		1:20,000		
5114	.50	Anacapa Passage	do	1:40,000	22×37	1937
5115	.75	Santa Cruz Channel	do	1:40,000	27×42	1937
5116	.75	San Miguel Passage	do	1:40,000	28×39	1937
		Cuyler Harbor		1:20,000		
5128	.25	Catalina Harbor, Isthmus Cove and Avalon Bay	California	1:10,000	22×27	1935
5143	.50	Los Angeles Harbor and vicinity	do	1:40,000	25×37	1936
5144	.50	Santa Monica Bay	do	1:40,000	22×34	1935
5147	.75	Los Angeles and Long Beach Harbors	do	1:12,000	33×44	1937
5202	.75	Point Fermin to Point Conception	do	1:220,000	30×46	1937
5261	.25	Santa Barbara	do	1:20,000	20×27	1935
5302	.75	Point Conception to Point Sur	do	1:216,000	31×44	1914
5386	.25	San Luis Obispo Bay and approaches	do	1:20,000	17×26	1923
5402	.75	Point Sur to San Francisco	do	1:210,000	32×40	1935
5403	.75	Monterey Bay	do	1:50,000	29×38	1935
5476	.75	Pfeiffer Point to Cypress Point	do	1:40,000	26×42	1935
5502	.75	San Francisco to Point Arena	do	1:208,000	32×40	1934
5520	.25	Halfmoon Bay	do	1:20,000	18×20	1935
5525	.50	Mare Island Strait	do	1:10,000	23×35	1937
5527	.75	San Joaquin River	do	1:40,000	35×46	1936
5528	.75	Sacramento River—Andrus Island Sacramento	do	1:40,000	31×43	1936
5531	.75	San Francisco Bay, southern part	do	1:40,000	33×41	1934
5532	.75	San Francisco Entrance	do	1:40,000	33×41	1936
5533	.75	San Pablo Bay	do	1:40,000	33×41	1934
5534	.75	Suisun Bay	do	1:40,000	28×41	1935
5535	.75	San Francisco Bay, Candlestick Point to Angel Island, continuation to Oakland Airport	do	1:20,000	34×44	1936
5599	.25	Drakes Bay	do	1:40,000	19×30	1934
5602	.75	Point Arena to Trinidad Head	do	1:203,000	32×46	1931
		Rockport Landing		1:10,000		
5603	.75	Bodega and Tomales Bays	California	1:30,000	33×42	1934
5703	.75	Greenwood to Fort Bragg	do	1:40,000	27×43	1936
		Russian Gulch Landing		1:10,000		
		Fort Bragg Landing		1:10,000		
		Greenwood Landing		1:10,000		
		Approaches to Albion		1:10,000		
5710	.25	Caspar Anchorage	California	1:10,000	19×27	1935
		Mendocino Bay		1:10,000		
5773	.25	Shelter Cove	California	1:15,000	12×14	1935
5795	.50	Cape Mendocino and vicinity	do	1:40,000	25×38	1934
5832	.50	Humboldt Bay	do	1:30,000	25×30	1936
		INLAND CHART				
5001	.75	Lake Tahoe	Calif.-Nev	1:40,000	28×43	1923



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GENERAL, COAST AND HARBOR CHARTS OF THE PACIFIC COAST – CONTINUED

GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST—Continued

No.	Price	Title	State	Approximate scale	Size of horder (inches)	Date
		TRINIDAD HEAD TO VANCOUVER, B. C.				
5702	$0.75	Trinidad Head to Cape Blanco	Calif. and Oreg.	1:197,000	31×41	1930
5802	.75	Cape Blanco to Yaquina Head	Oregon	1:191,000	31×43	1930
5846	.25	Trinidad Harbor	California	1:15,000	14×18	1935
5895	.25	St. George Reef and Crescent City Harbor	do	1:40,000	24×25	1936
5896	.75	Pyramid Point to Cape Sebastian	Oreg. and Calif.	1:40,000	33×43	1934
5902	.75	Yaquina Head to Columbia River	Oreg. and Wash.	1:185,000	31×41	1934
5951	.75	Cape Sebastian to Humbug Mountain	Oregon	1:40,000	29×41	1934
5952	.25	Cape Blanco and Reef	do	1:40,000	21×27	1935
5971	.25	Coquille River entrance	do	1:10,000	19×33	1935
5984	.75	Coos Bay	do	1:20,000	29×38	1937
6002	.75	Columbia River to Destruction Island	Oreg. and Wash.	1:181,000	32×39	1935
6004	.25	Umpqua River, entrarce har to Reedsport	Oregon	1:20,000	24×28	1937
6023	.25	Siuslaw River	do	1:20,000	17×18	1937
6058	.50	Yaquina River and approaches	do	1:20,000	26×30	1937
6102	.75	Approaches to Strait of Juan de Fuca, Destruction Island to Amphitrite Point	Wash. and B. C.	1:176,000	32×42	1935
6112	.50	Tillamook Bay	Oregon	1:20,000	26×32	1933
6122	.25	Nehalem River	do	1:20,000	16×19	1936
6146	.50	Columbia River—Vancouver to Reed Island	Oreg. and Wash.	1:40,000	23×34	1937
6151	.75	Columbia River—Entrance to Harrington Point	do	1:40,000	25×41	1937
6152	.75	Columbia River—Harrington Point to Crims Island	do	1:40,000	25×43	1937
6153	.75	Columbia River—Crims Island to Saint Helens	do	1:40,000	33×39	1937
6154	.50	Columbia River—Saint Helens to Willamette River, including Vancouver and Portland	do	1:40,000	20×41	1937
6155	.75	Port of Portland, including Vancouver	do	1:20,000	25×44	1936
		Multnomah Channel, southern part		1:10,000		
6185	.75	Willapa Bay	Washingtou	1:40,000	30×43	1937
6195	.50	Grays Harbor and continuation of Chehalis River	do	1:40,000	25×39	1936
6265	.75	Cape Flattery	do	1:40,000	30×40	1934
6300	.75	Georgia Strait and Strait of Juan de Fuca	Wash. and B. C.	1:200,000	28×42	1934
6303	.25	Port Angeles, Strait of Juan de Fuca	Washington	1:10,000	19×31	1934
6377	.25	Anacortes Harbor, Washington Sound	do	1:40,000	13×16	1936
6378	.50	Bellingham Bay	do	1:40,000	26×31	1935
6380	.75	Strait of Juan de Fuca to Georgia Strait	Wash. and B. C.	1:80,000	34×42	1935
6381	.75	Roche Harbor and approaches	Washington	1:10,000	33×37	1914
6382	.75	Strait of Juan de Fuca, Eastern Part	Wash. and B. C.	1:80,000	32×44	1935
6399	.25	Semiamoo Bay, Georgia Strait	Washiugtou	1:30,000	14×16	1925
6403	.25	Port Discovery and Washington Harbor	do	1:40,000	19×22	1936
6405	.50	Port Townsend, Admiralty Inlet	do	1:20,000	26×36	1935
6406	.25	Port Ludlow	do	1:10,000	23×26	1937
6407	.50	Tacoma Harbor	do	1:15,000	26×36	1935
6412	.25	Port Gamble, Hood Canal	do	1:20,000	16×23	1936
6440	.25	Sinclair Inlet	do	1:10,000	23×32	1931
6443	.50	Port Orchard, northern part, Puget Sound	do	1:20,000	27×34	1919
6444	.75	Port Orchard, southern part, Puget Sound	do	1:20,000	33×44	1935
6447	.75	Lake Washington Ship Canal, Puget Sound to Lake Washington	do	1:10,000	29×44	1934
6448	.25	Everett Harbor and approaches	do	1:40,000	17×18	1935
6449	.75	Seattle Harbor and Lake Washington	do	1:25,000	32×40	1937
6450	.75	Admiralty Inlet, and Puget Sound to Seattle	do	1:80,000	33×42	1935
6460	.75	Puget Sound, Seattle to Olympia	do	1:80,000	32×39	1935
6462	.50	Olympia Harbor and Budd Inlet	do	1:20,000	20×37	1935

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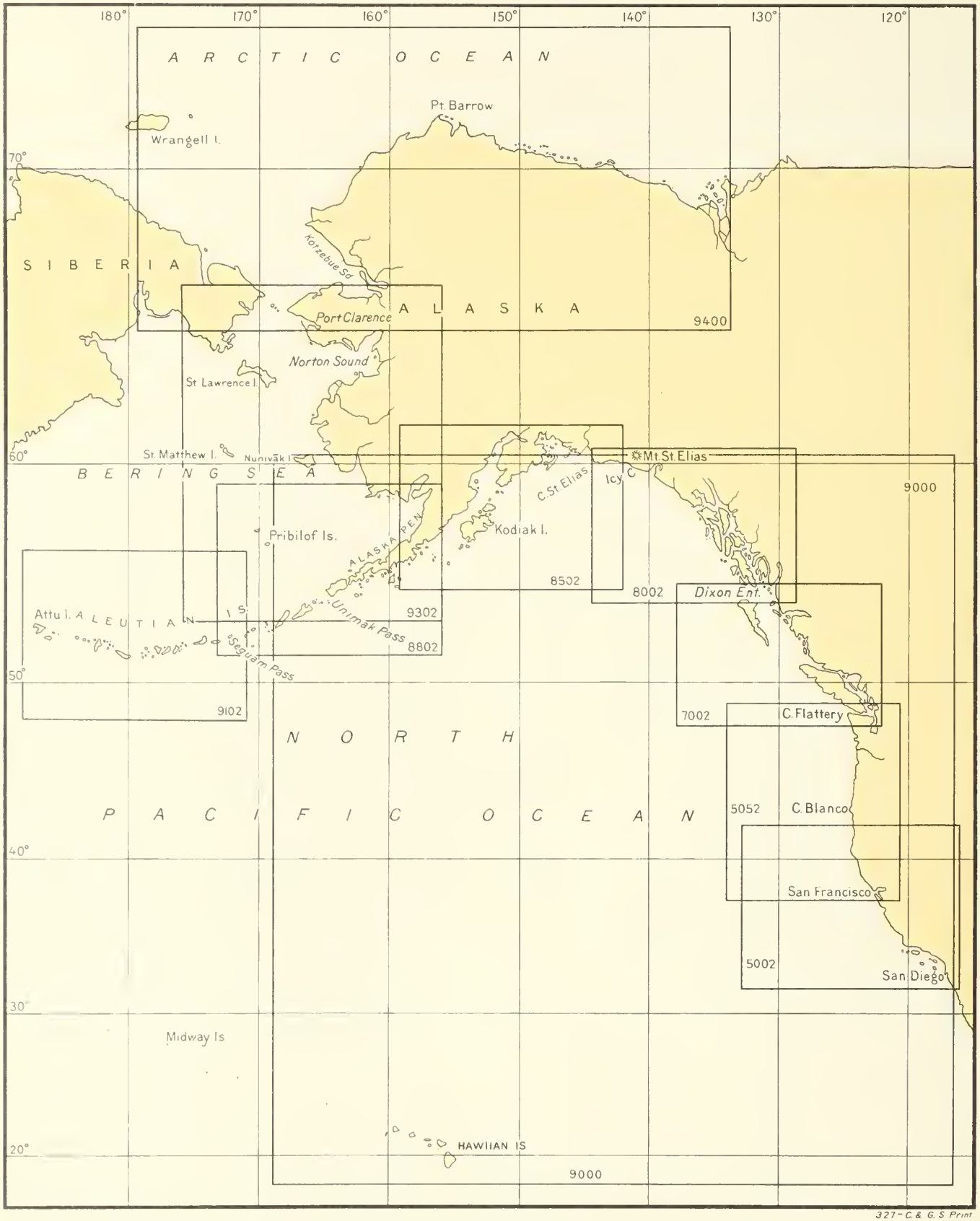

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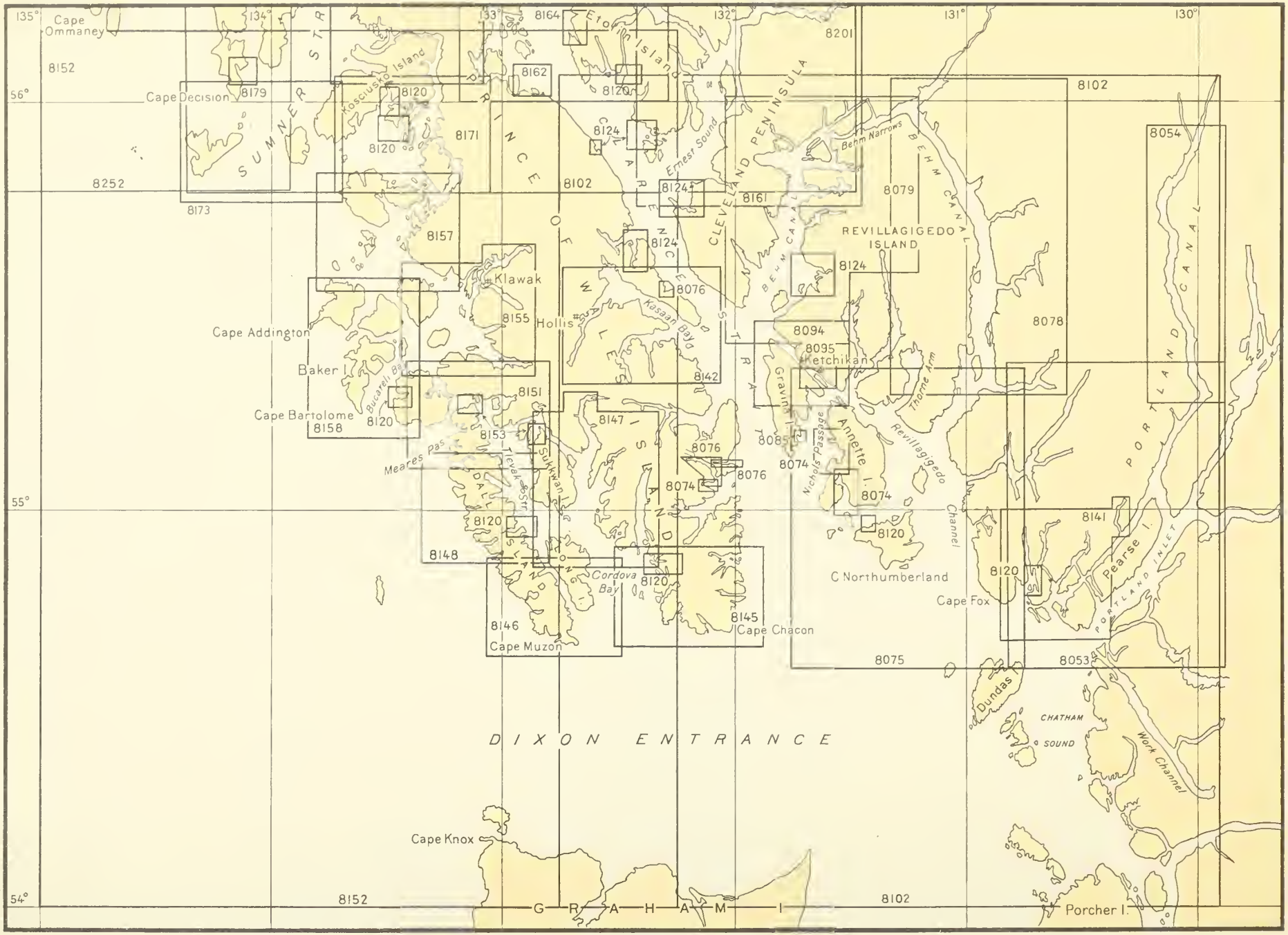
SAILING CHARTS, PACIFIC COAST, AND SAILING AND HARBOR CHARTS, ALASKA

SAILING CHARTS, PACIFIC COAST AND ALASKA

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		SAILING CHARTS			
5002	$0.75	San Diego to Point St. George	1:1,499,000	32×41	1936
5052	.75	San Francisco to Cape Flattery	1:1,301,000	33×38	1932
7002	.75	Cape Flattery to Dixon Entrance	1:1,198,000	29×40	1934
8002	.75	Dixon Entrance to Cape St. Elias	1:1,000,000	31×40	1936
8502	.75	Cape St. Elias to Shumagin Islands	1:1,000,000	33×42	1935
8802	.75	Alaska Peninsula and Aleutian Islands to Seguam Pass	1:999,000	33×42	1935
9000	.75	San Diego to Bering Sea and Hawaiian Islands	1:4,500,000	34×37	1934
9102	.75	Aleutian Islands, Amukta Island to Attu Island	1:999,000	32×42	1937
9302	.75	Bering Sea, eastern part	1:1,600,000	30×38	1928
9400	.75	Arctic Coast of Alaska	1:1,600,000	26×44	1928

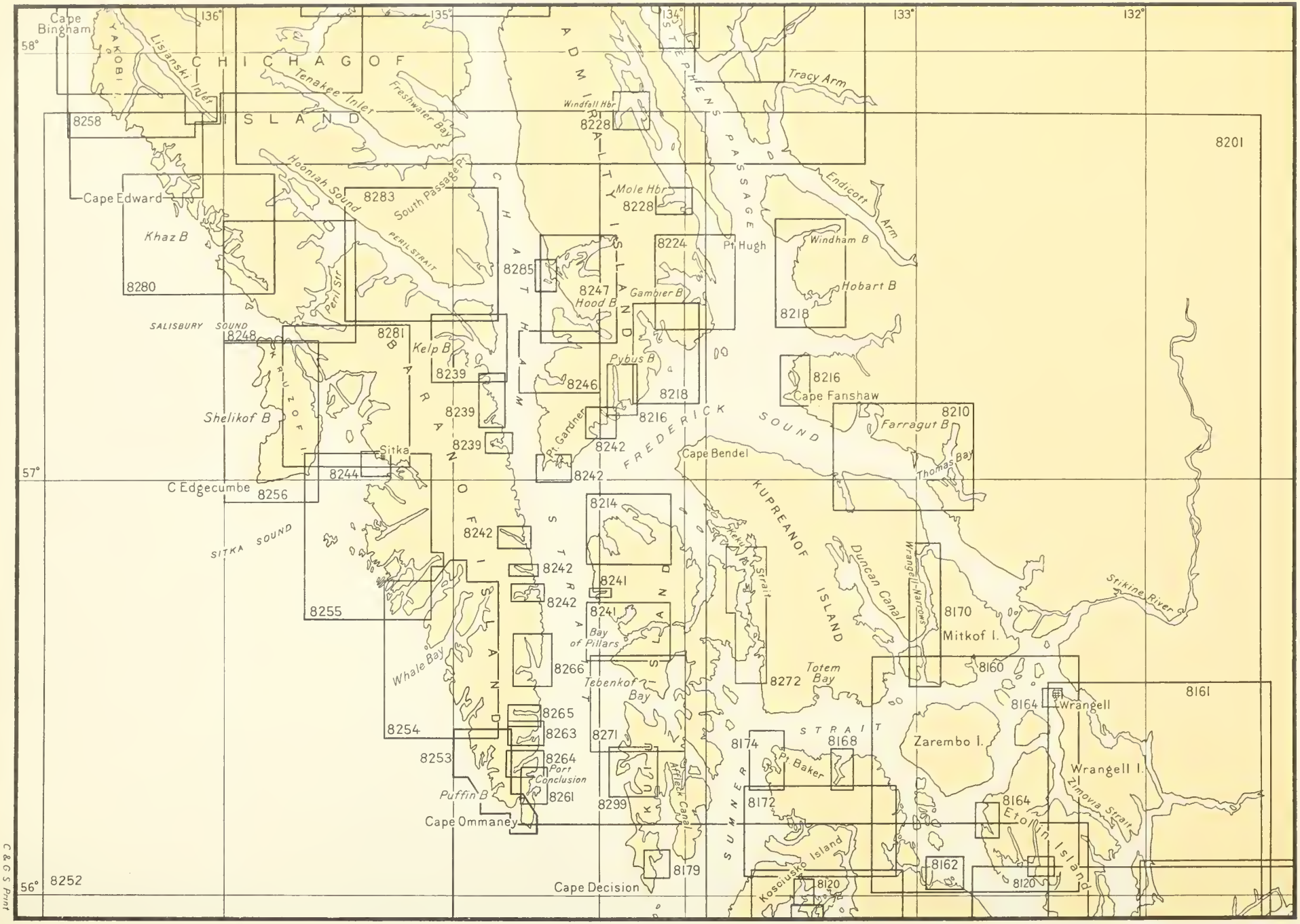


GENERAL CHARTS AND HARBOR CHARTS, ALASKA

C & G S Print

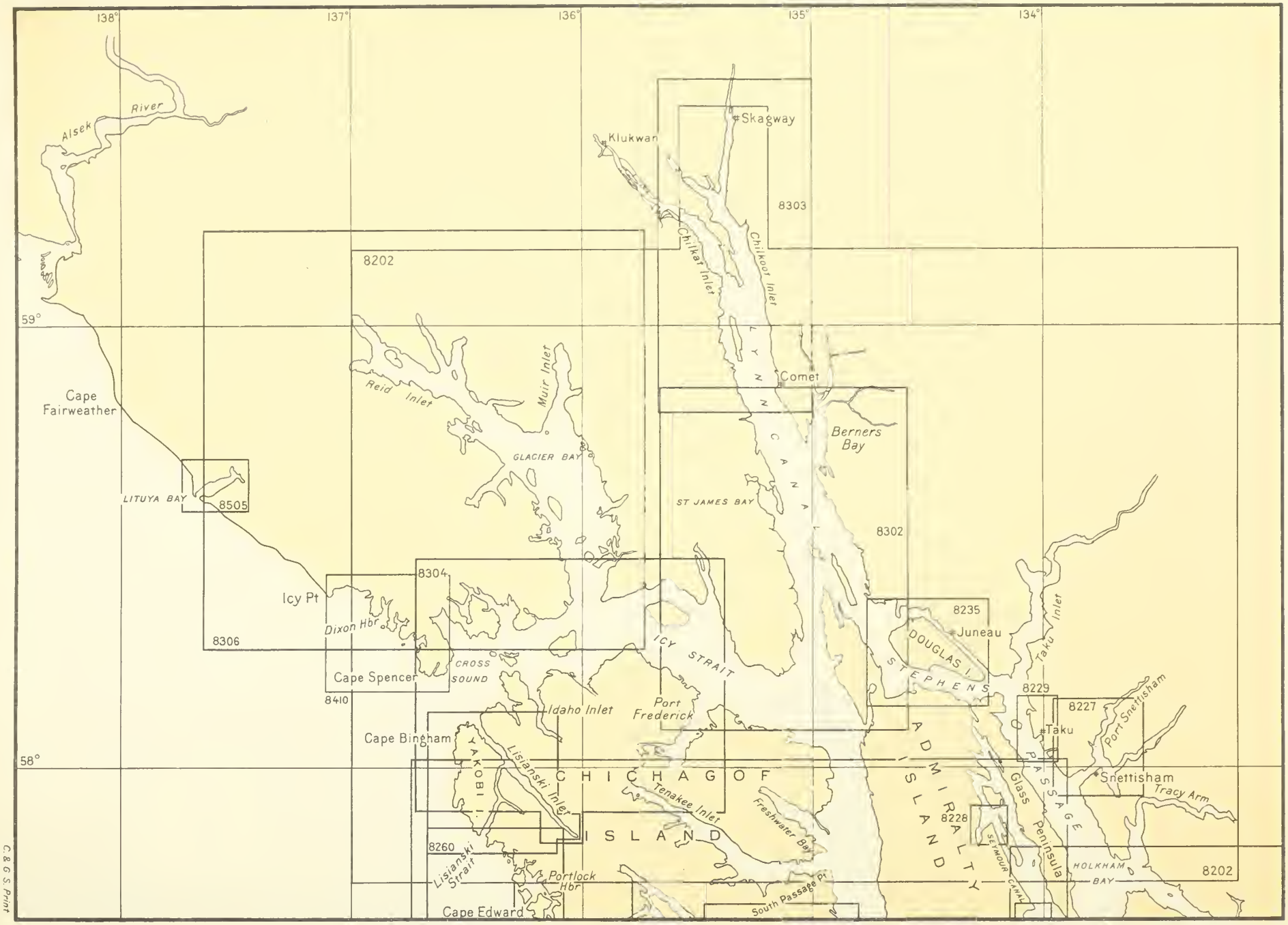
GENERAL CHARTS AND HARBOR CHARTS, ALASKA

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		DIXON ENTRANCE TO SUMNER STRAIT			
8053	$0.75	Portland Canal, Dixon Entrance to Hattie Island	1:80,000	31×43	1936
8054	.25	Portland Canal, north of Hattie Island	1:80,000	13×39	1936
8074	.75	Harbors in Dixon Entrance and Clarence Strait		34×36	1931
		Niblack Anchorage and Port Chester	1:20,000		
		Tamgas Harbor	1:40,000		
8075	.75	Revillagigedo Channel	1:80,000	33×42	1936
8076	.25	Harbors in Clarence Strait		21×25	1922
		North Arm of Moira Sound	1:20,000		
		Port Johnson and Dolomi Bay	1:20,000		
		Lyman Anchorage	1:10,000		
8078	.75	Behm Canal, eastern part	1:179,000	25×43	1934
8079	.75	Behm Canal, western part	1:179,000	27×35	1933
		Yes Bay	1:40,000		
8085	.25	Seal Cove, Nichols Passage	1:5,000	17×22	1935
8094	.75	Tongass Narrows	1:30,000	32×36	1931
8095	.75	Ketchikan Harbor	1:10,000	31×36	1934
8102	.75	Hecate Strait to Etolin Island, including Behm and Portland Canals	1:229,000	33×41	1935
8120	.75	Harbors in southeastern Alaska		27×43	1935
		Ryus Bay, Duke Island	1:10,000		
		Marble Passage, southern part and approaches, Davidson Inlet	1:20,000		
		Tokeen Bay Entrance, Davidson Inlet	1:20,000		
		Hunter Bay and approaches, Prince of Wales Island	1:20,000		
		Burnett Inlet, Etolin Island	1:20,000		
		Port Santa Cruz, Suemez Island	1:20,000		
		Rose Inlet, Dall Island	1:20,000		
		Nakat Harbor, Nakat Inlet	1:20,000		
8124	.50	Harbor charts, Clarence Strait and Behm Canal		28×28	1932
		Naha, Tolstoi, and Union Bays	1:40,000		
		Ratz Harbor, Prince of Wales Island	1:10,000		
		Dewey Anchorage, Etolin Island	1:20,000		
8141	.75	Portland Inlet to Nakat Bay	1:40,000	32×38	1937
8142	.75	Kasaan Bay	1:40,000	32×44	1927
8145	.75	Kendrick Bay to Shipwreck Point, Prince of Wales Island	1:40,000	31×41	1923
8146	.75	Southern part of Dall Island	1:40,000	28×38	1932
8147	.75	North end of Cordova Bay and Hetta Inlet	1:40,000	33×41	1931
8148	.75	Central part of Dall Island	1:40,000	31×36	1930
8151	.75	Northern part of Tlevak Strait and Ulloa Channel	1:40,000	30×41	1929
8152	.75	Dixon Entrance to Chatham Strait	1:229,000	31×43	1933
8153	.25	Tlevak and Sukkwan Narrows	1:20,000	12×21	1932
8155	.75	Ulloa Channel to San Christoval Channel	1:40,000	30×36	1932
		Continuation to the head of Big Salt Lake	1:40,000		
		North Entrance	1:10,000		
8157	.75	San Christoval Channel to Cape Lynch	1:40,000	32×40	1929
8158	.75	Baker, Noyes, and Lulu Islands and adjacent waters	1:40,000	32×43	1923
8161	.75	Ernest Sound, Eastern Passage and Zimovia Strait	1:80,000	31×44	1924
8171	.75	Davidson Inlet and Sea Otter Sound	1:40,000	31×41	1932
8173	.75	Southern Entrances to Sumner Strait	1:40,000	31×45	1929
8201	.75	Etolin Island to Midway Islands, including Sumner Strait	1:219,200	32×43	1937


Cape Bingham
136°
135°
134°
133°
132°
58°
57°
56°
YAKOBI I.
Lisianski Inlet
CHICHAGOF ISLAND
Tenakee Inlet
Freshwater Bay
ADMIRALTY ISLAND
Windfall Hbr
STEPHENS PASSAGE
Tracy Arm
Endicott Arm
8258
8228
8201
Cape Edward
Hoonah Sound
8283
South Passage Pt.
Mole Hbr
8228
Khaz B
PERILSTRAIT
Peril Str.
8224
Pt Hugh
Windham B
8280
8285
8247
Hood B
Gambier B
Hobart B
8218
SALISBURY SOUND
8248
8281
Kelp B
CHATHAM STRAIT
8239
Pybus B
8246
8218
8216
Cape Fanshaw
Shelikof B
BARANOF ISLAND
8239
Pt. Gardner
8216
8210
Farragut B
FREDERICK SOUND
Sitka
8239
8242
Cape Bendel
Thomas Bay
8244
8242
C Edgecumbe
8256
8214
KUPREANOF ISLAND
SITKA SOUND
8242
Keku Strait
Duncan Canal
Wrangell Narrows
Stikine River
8242
8241
8170
Mitkof I.
8255
8242
8241
Bay of Pillars
Whale Bay
8266
Totem Bay
8272
8160
Tebenkof Bay
8161
8265
8164
Wrangell
8254
8263
8271
STRAIT
8174
8168
Zarembo I.
8253
8264
Port Conclusion
Pt. Baker
Wrangell I.
Puffin B
8261
8299
Kuiu
Affleck Canal
8172
Zimovia Strait
8164
Cape Ommaney
Etolin Island
Sumner
Kosciusko Island
8162
8179
8120
8120
Cape Decision
8252

GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		CAPE DECISION TO CAPE BINGHAM			
8160	$0.50	Zaremho Island and approaches	1:80,000	29×31	1931
8161	.75	Ernest Sound, Eastern Passage and Zimovia Strait	1:80,000	31×44	1924
8162	.75	Lake Bay and Approaches, Clarence Strait	1:10,000	34×34	1933
8164	.25	Steamer Bay, Wrangell Harbor, and Highfield Anchorage		18×29	1931
		Steamer Bay, Etolin Island	1:20,000		
		Wrangell Harbor and Highfield Anchorage	1:10,000		
8168	.25	Red Bay, Prince of Wales Island	1:20,000	14×21	1931
8170	.75	Wrangell Narrows	1:20,000	31×39	1935
8172	.75	Shakan and Shipley Bays and part of El Capitan Passage	1:40,000	26×40	1927
8174	.25	Port Protection, Prince of Wales Island	1:20,000	19×28	1931
8179	.25	Port McArthur, Kuiu Island	1:10,000	25×25	1901
8201	.75	Etolin Island to Midway Islands, including Sumner Strait	1:219,200	32×43	1937
8210	.75	Thomas, Farragut, and Portage Bays	1:40,000	30×39	1930
8214	.25	Saginaw and Security Bays	1:40,000	20×23	1909
8216	.50	Woewodski and Eliza Harbors	1:20,000	26×27	1920
		Fanchaw Bay and Cleveland Passage.			
8218	.50	Pyhus, Hobart, and Windham Bays	1:40,000	27×34	1932
8224	.25	Gambier Bay, Stephens Passage	1:40,000	22×24	1932
8228	.25	Windfall and Mole Harbors	1:20,000	20×30	1913
8239	.75	Bays in Chatham Strait		29×36	1934
		Kelp Bay	1:40,000		
		Warm Spring Bay	1:20,000		
		Takatz and Kasnyku Bays	1:20,000		
8241	.75	Bay of Pillars, Chatham Strait	1:20,000	31×41	1936
		Washington Bay, Chatham Strait	1:10,000		
8242	.50	Harbors in Chatham Strait and vicinity, Hoggatt, Red Bluff, Gut, Herring and Chapin Bays, Surprise Harbor and Murder Cove.	1:20,000	28×30	1929
8244	.75	Sitka Harbor and approaches	1:10,000	33×39	1930
8246	.75	Whitewater Bay and Chaik Bay, Chatham Strait	1:20,000	31×38	1933
8247	.50	Hood Bay and Kootznahoo Inlet	1:30,000	26×37	1932
8248	.75	Salisbury Sound and Peril Strait to Emmons Island	1:40,000	34×34	1931
		Sergius Narrows	1:20,000		
8252	.75	Coronation Island to Lisianski Strait	1:219,300	32×43	1936
8253	.75	Cape Ommaney to Byron Bay	1:20,000	33×44	1926
8254	.75	Snipe Bay to Crawfish Inlet	1:40,000	31×42	1926
		Continuation of Necker Bay	1:40,000		
8255	.75	Crawfish Inlet to Sitka	1:40,000	33×44	1929
		Continuation of Crawfish Inlet	1:40,000		
8256	.75	South and West Coast of Kruzof Island	1:40,000	26×42	1931
8258	.25	Cape Edward to Lisianski Strait	1:40,000	23×30	1928
8261	.75	Ports Alexander, Conclusion, and Armstrong	1:10,000	29×39	1927
8263	.25	Port Walter, Chatham Strait	1:20,000	14×19	1927
8264	.25	Port Lucy	1:20,000	19×23	1928
8265	.25	Port Herbert	1:20,000	15×21	1928
8266	.25	Patterson Bay and Deep Cove, Chatham Strait	1:20,000	23×31	1931
8271	.25	Tebenkof Bay	1:40,000	25×27	1929
8272	.75	Keku Strait, Monte Carlo Island to Entrance Island	1:20,000	31×41	1931
		The Summit	1:10,000		
		Devils Elbow	1:10,000		
8280	.75	Khaz Bay	1:40,000	32×38	1930
		Elbow Passage	1:10,000		
8281	.75	Sitka Sound to Salisbury Sound	1:40,000	33×36	1930
		Neva Strait	1:20,000		
8283	.75	Peril Strait, Hoonah Sound to Chatham Strait	1:40,000	33×42	1933
8285	.25	Killisnoo Harbor, Chatham Strait	1:10,000	21×29	1931
8299	.25	Port Malmesbury, Chatham Strait	1:40,000	14×14	1931



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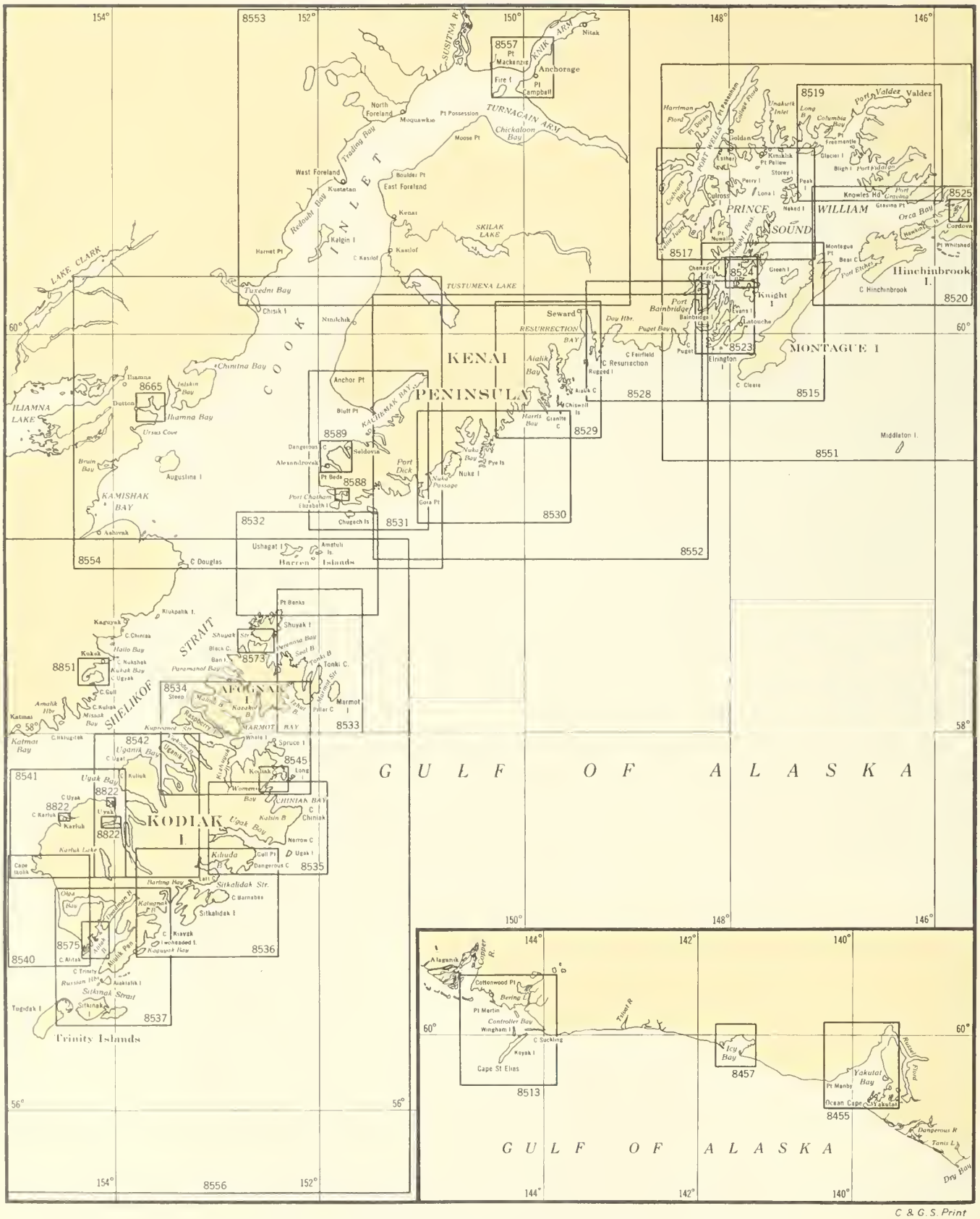
GENERAL CHARTS AND HARBOR CHARTS, ALASKA — CONTINUED

GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		CAPE EDWARD TO LITUYA BAY			
8202	$0.75	Midway Island to Cape Spencer, including Lynn Canal	1:203,180	31×43	1936
8227	.25	Port Snettisham, Stephens Passage	1:40,000	23×26	1932
8229	.25	Slocum and Limestone Inlets and Taku Harbor	1:20,000	21×31	1932
8235	.50	Gastineau Channel and part of Stephens Passage	1:40,000	28×31	1933
8260	.75	Yakobi Island and Lisianski Inlet	1:40,000	33×38	1929
8302	.75	Lynn Canal, entrance to Point Sherman	1:80,000	28×43	1934
		Funter Bay	1:20,000		
8303	.50	Lynn Canal; Point Sherman to Skagway	1:80,000	20×41	1932
8304	.75	Icy Strait and Cross Sound	1:80,000	32×40	1932
		Inian Cove	1:20,000		
8306	.50	Glacier Bay	1:160,000	27×28	1910
8410	.75	Cape Spencer to Icy Point	1:40,000	32×39	1930
8505	.50	Lituya Bay	1:20,000	25×34	1929
		Lituya Bay Entrance	1:10,000		



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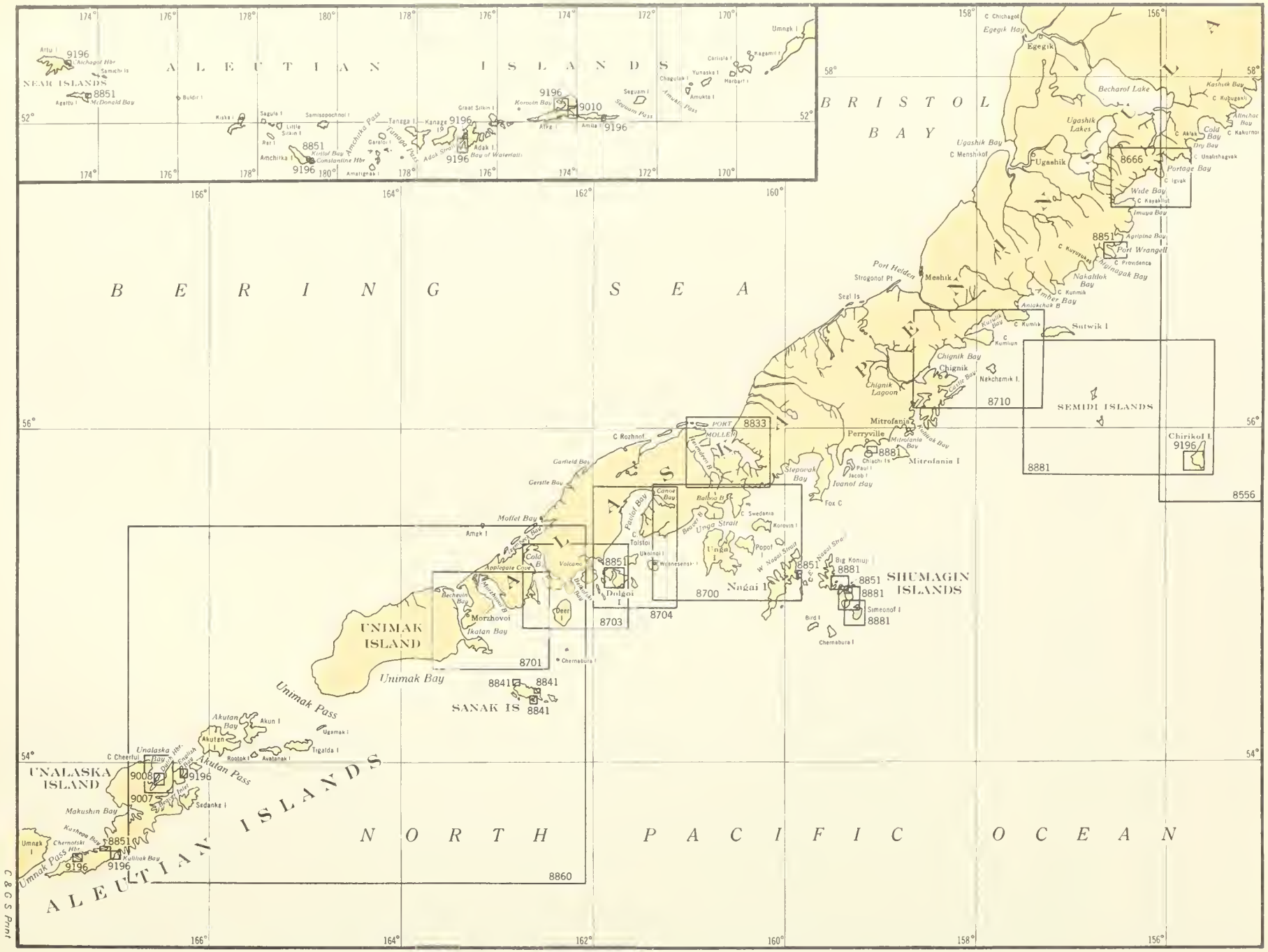
GENERAL CHARTS AND HARBOR CHARTS, ALASKA — CONTINUED

GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		YAKUTAT BAY TO KODIAK ISLAND			
8455	$0.50	Yakutat Bay	1:80,000	28×32	1910
8457	.50	Icy Bay, South Coast	1:40,000	29×31	1923
8513	.50	Controller Bay	1:100,000	29×32	1913
8515	.75	Prince William Sound, western entrance	1:80,000	33×42	1935
8517	.75	Prince William Sound, western part	1:80,000	31×45	1935
8519	.75	Prince William Sound; Port Fidalgo and Valdez Arm	1:80,000	32×39	1933
8520	.75	Prince William Sound, eastern entrance	1:80,000	32×43	1935
8523	.75	Latouche, Elrington and Prince of Wales Passages	1:40,000	33×39	1935
8524	.75	Drier Bay, Prince William Sound	1:20,000	32×35	1935
8525	.25	Orca Bay and Inlet, Channel Islands to Cordova	1:30,000	15×15	1931
8528	.75	Point Elrington to Cape Resurrection	1:80,000	32×33	1930
8529	.75	Cape Resurrection to Two Arm Bay	1:80,000	28×37	1932
8530	.75	Seal Rocks to Gore Point	1:80,000	30×41	1932
8531	.75	Gore Point to Anchor Point	1:80,000	32×43	1933
8532	.75	Barren Islands	1:77,000	31×42	1934
8533	.75	Point Banks to Marmot Bay	1:80,000	26×42	1935
8534	.75	Marmot Bay and Kupreanof Strait	1:80,000	33×44	1937
8535	.75	Chiniak Bay to Dangerous Cape	1:80,000	28×36	1935
8536	.75	Gull Point to Kaguyak Bay	1:80,000	32×42	1934
		Sitkalidak Passage	1:20,000		
8537	.75	Sitkinak Strait and Alitak Bay; Kodiak Island	1:80,000	34×40	1933
8540	.50	Cape Alitak to Ikalik; Kodiak Island	1:80,000	25×33	1932
8541	.75	Cape Ikolik to Cape Kuliuk, Kodiak Island	1:80,000	32×35	1931
8542	.75	Uganik and Uyak Bays	1:80,000	31×43	1931
8545	.75	Kodiak and St. Paul Harbors	1:20,000	32×34	1937
		Plan of Kodiak	1:10,000		
8551	.75	Prince William Sound	1:198,500	34×43	1935
8552	.75	Point Elrington to East Chugach Island	1:202,800	29×37	1933
8553	.75	Cook Inlet, northern part	1:195,000	33×43	1915
8554	.75	Cook Inlet, southern part	1:203,000	32×40	1934
8556	.75	Kodiak Island	1:357,100	33×43	1937
8557	.75	Knik Arm, Fire Island to Goose Creek	1:40,000	32×33	1921
8573	.75	Shuyak Strait and Bluefox Bay	1:20,000	27×42	1935
8575	.75	Part of Alitak Bay; Cape Alitak to Moser Bay	1:20,000	34×43	1932
8588	.50	Port Chatham	1:10,000	28×33	1920
8589	.50	Port Graham and Seldovia Bay	1:20,000	25×37	1916
8665	.50	Iliamna Bay, Cook Inlet	1:20,000	31×32	1917
8822	.25	Bays and anchorages in Alaska, south coast		22×23	1930
		Uyak Anchorage	1:20,000		
		Larsen Bay	1:20,000		
		Karluk Anchorage	1:20,000		
8851	.50	Harbors and Anchorages, Southwestern Alaska		27×28	1932
		Kukak Bay, Alaska Peninsula	1:100,000		



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GENERAL CHARTS AND HARBOR CHARTS, ALASKA — CONTINUED

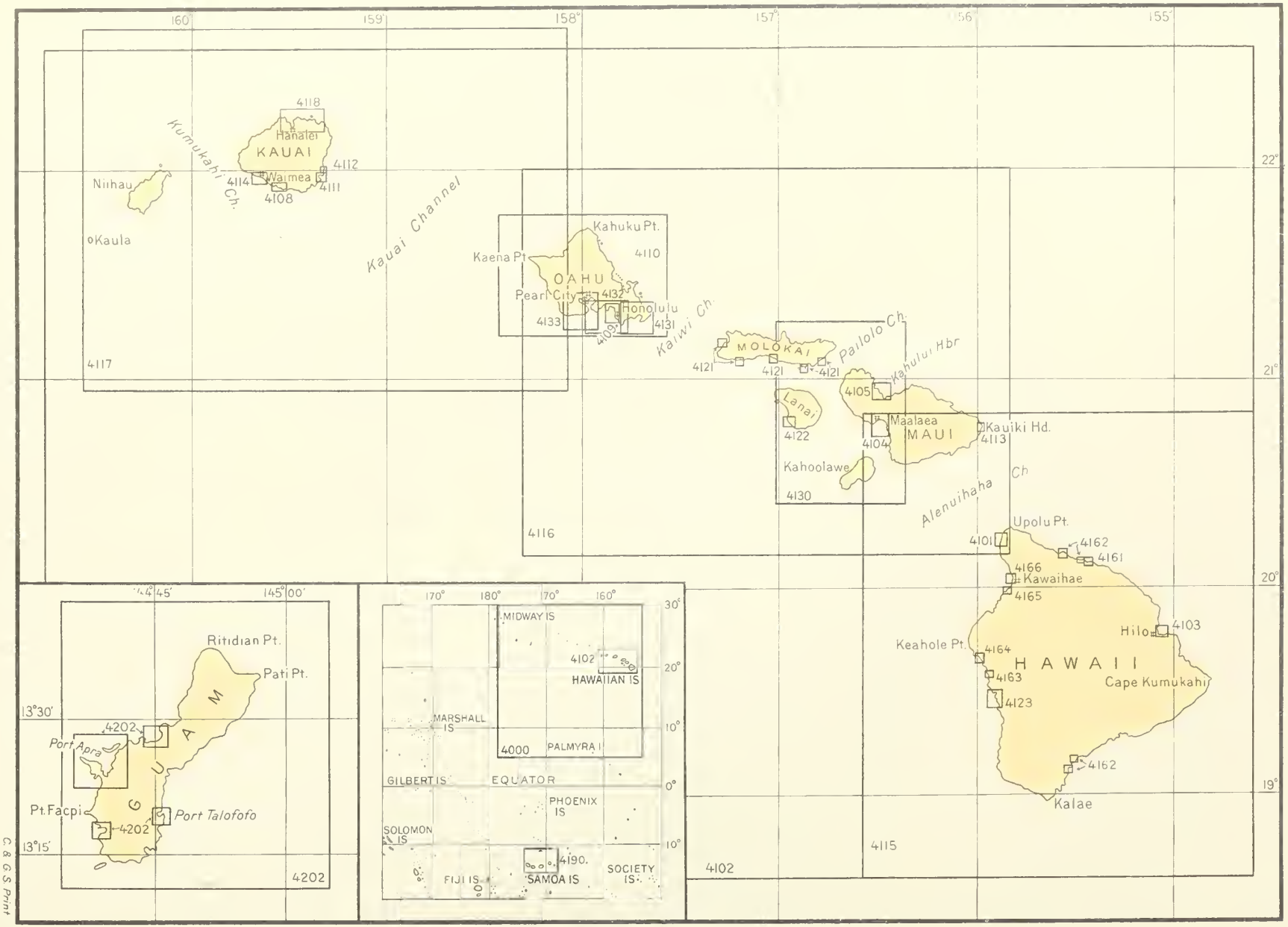
GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	Title	Approximate scale	Size of border (inches)	Date
		ALASKA PENINSULA AND ALEUTIAN ISLANDS			
8556	$0.75	Kodiak Island	I:357,100	33×43	1937
8666	.75	Portage and Wide Bays	I:50,000	30×41	1927
8700	.75	Shumagin Islands; Nagai Island to Unga Island	I:100.000	31×39	1917
		Popof Strait	I:30,000		
		Delarof Island	I:20,000		
8701	.75	Morzhovoi Bay and Isanotski Strait	1:80,000	33×36	1929
8703	.50	Dolgoi Island to Deer Island	1:80,000	28×35	1927
8704	.75	Pavlof Bay and Approaches	1:80,000	28×40	1926
8710	.75	Chignik and Kujulik Bays (including Chignik Bay Anchorage and Mud Bays, scale 1:40,000)	1:80,000	33×43	1927
8833	.25	Port Moller and Herendeen Bay	1:80,000	23×28	1917
8841	.25	Harbors and Anchorages' Sauak Island		20×21	1927
		Northeast Harbor, Sanak Island	1:10,000		
		Peterson Bay, Sanak Island	1:20,000		
		Sanak Harbor, Sanak Island	1:10,000		
8860	.75	Unimak and Akutan Passes and approaches	1:300,000	32×42	1936
8881	.25	Islands and harbors off Alaska Peninsula		19×21	1919
		Semidi Islands and Chirikof Island	1:400,000		
		Chiachi Islands	1:17,000		
		Northeast Harbor, Little Koniuji Island	1:122,000		
		Northwest and Yukon Harbors, Koniuji Islands	1:64,000		
		Simeonof Harbor, Simeonof Island	1:90,000		
9007	.25	Unalaska Bay, Iliuliuk Bay, and Dutch Harbor	I:40,000	21×25	1937
9008	.50	Dutch Harbor	1:10,000	27×33	1937
9010	.75	Nazan Bay—Atka Island	I:20,000	32×42	1935
9196	.50	Anchorages and harbors, Aleutian Islands		27×32	1931
		Southwest Anchorage, Chirikof Island	I:53,600		
		English Bay, Unalaska Island	1:20,000		
		Kuliliak Bay, Unalaska Island	1:43,500		
		Chernofski Harbor, Unalaska Island	1:36,000		
		Sviechnikof Harbor, Amlia Island	I:52,000		
		Korovin Bay, Atka Island	1:194,000		
		Bay of Islands, North Island Anchorage, Adak Island	1:20,000		
		Bay of Waterfalls, Adak Island	1:95,000		
		Constantine Harbor, Amchitka Island	1:43,000		
		Chichagof Harbor, Attu Island	1:19,000		
8851	.50	Harbors and anchorages, southwestern Alaska		27×28	1932
		Port Wrangell, Alaska Peninsula	1:110,000		
		Kashega Bay, Unalaska Island	1:25,000		
		Mist Harbor, Nagai Island	I:6,100		
		Sandy Cove, Little Koniuji Island	1:24,200		
		Dolgoi Harbor, Dolgoi Island	1:40,000		
		Kirilof Bay, Amchitka Island	1:28,000		
		McDonald Bay, Agattu Island	1:75,000		

GENERAL CHARTS AND HARBOR CHARTS, ALASKA — CONTINUED

GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

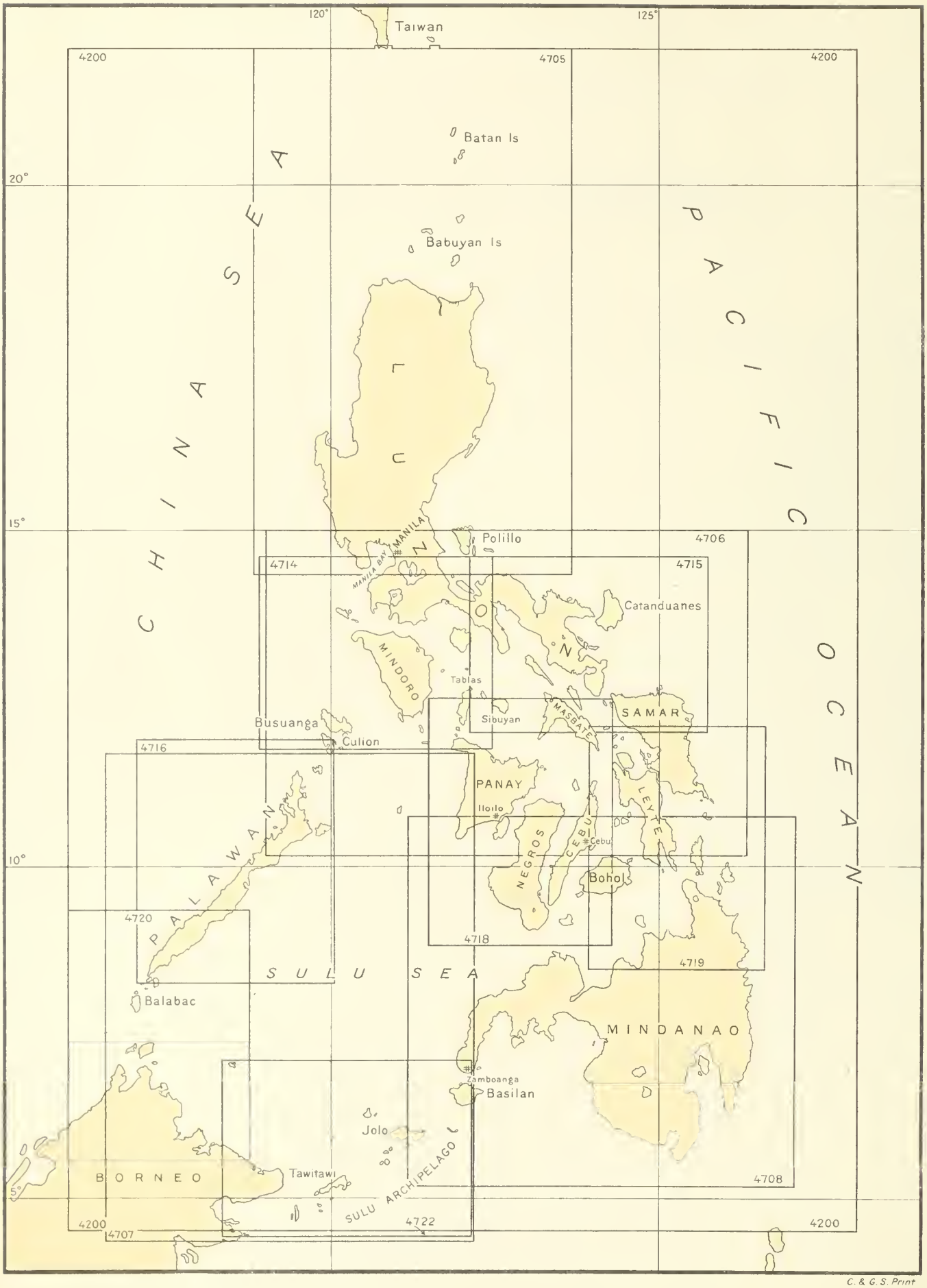
No.	Price	Title	Approximate scale	Size of border (inches)	Date
		BERING SEA			
8851	$0.50	Harbor and Anchorages, Southwestern Alaska, St. Matthew Island, Bering Sea	1:156,000	27×28	1932
8995	.75	Pribilof Islands, Bering Sea	1:200,000	30×36	1910
8996	.75	St. Paul and St. George Islands, Pribilof Islands, Bering Sea (2 plans)	1:75,000	30×39	1934
9050	.50	Nushagak Bay and approaches	1:150.000	23×37	1911
9103	.50	Kuskokwim Bay (including Goodnews Bay, scale 1:80,000)	1:200,000	24×37	1916
9104	.50	Kuskokwim River—Eek Island to Bethel	1:100,000	19×37	1918
9196	.50	Anchorages and harbors, Aleutian Islands, Cape Etolin Anchorage, Nunivak Island	1:31,000	27×32	1931
9370	.75	Cape Romanzof to St. Michael	1:300,000	34×36	1901
9372	.75	Yukon River, Apoon Mouth to Head of Passes (including Apoon Mouth, scale 1:20,000)	1:80,000	32×38	1914
9373	.75	Yukon River, Kwikluak Mouth, west coast	1:80,000	29×39	1901
9375	.75	St. Michael Bay, Norton Sound	1:20,000	31×38	1901
9380	.75	Norton Sound	1:400,000	33×41	1914
9381	.25	Port Safety, Norton Sound	1:15,000	19×21	1905
9382	.75	Golofnin Bay, Norton Sound	1:40,000	32×39	1903
9385	.25	Port Clarence and Grantley Harbor	1:80,000	19×27	1912



CHARTS OF HAWAIIAN ISLANDS, GUAM AND SAMOA

CHARTS OF HAWAIIAN ISLANDS, GUAM, AND SAMOA

No.	Price	Title	Island	Approximate scale	Size of border (inches)	Date
		SAILING, GENERAL, COAST, AND HARBOR CHARTS				
4000	$0.75	Territory of Hawaii		1:3,167,000	34×36	1934
4101	.25	Mahukona Harbor and approaches	Hawaii	1:5,000	17×23	1931
4102	.75	Hawaiian Islands	do	1:600,000	30×44	1935
4103	.25	Hilo Bay	do	1:10,000	23×26	1935
4104	.75	Maalaea Bay	Maui	1:10,000	32×40	1934
4105	.25	Kahului Harbor and approaches	do	1:10,000	25×26	1935
4108	.25	Port Allen	Kauai	1:5,000	19×28	1937
4109	.50	Honolulu Harbor	Oahu	1:5,000	24×35	1935
4110	.75	Oahu		1:80,000	32×44	1937
4111	.25	Nawiliwili Bay	Kauai	1:5,000	22×31	1936
4112	.50	Hanamaulu Bay	do	1:2,500	26×33	1929
4113	.25	Hana Bay	Maui	1:5,000	17×17	1932
4114	.50	Approach to Waimea and Makaweli Landings	Kauai	1:10,000	27×35	1934
4115	.75	Hawaii	Hawaii	1:247,000	35×39	1936
4116	.75	Hawaii to Oahu		1:247,000	33×42	1936
4117	.75	Hawaiian Islands, Oahu to Niihau		1:250,000	31×43	1933
4118	.75	Haena Point to Kepubi Point	Kauai	1:20,000	28×44	1930
4121	.50	Harbors of Molokai	Molokai		28×34	1934
		Kaunakakai Harbor		1:5,000		
		Pukoo Harbor		1:5,000		
		Kamalo Harbor		1:5,000		
		Kolo Harbor		1:5,000		
		Papohaku Roadstead		1:5,000		
4122	.25	Kaumalapau Harbor	Lanai	1:2,500	15×16	1929
4123	.50	Kealakekua Bay to Honaunau Bay	Hawaii	1:10,000	25×34	1928
4130	.75	Channels between Molokai, Maui, Lanai, and Kahoolawe	do	1:80,000	33×44	1936
4131	.75	South Coast of Oahu, Makapuu Point to Diamond Head	Oahu	1:20,000	34×42	1933
4132	.75	South Coast of Oahu, Diamond Head to Keabi Point	do	1:20,000	34×42	1935
4133	.75	South Coast of Oahu, Ahua Point to Barbers Point	do	1:20,000	34×42	1935
4161	.25	Paaubau Landing	Hawaii	1:5,000	20×28	1933
4162	.50	Harbors and Landings	do		31×31	1931
		Punaluu Harbor		1:2,500		
		Honuapo Harbor		1:2,500		
		Honokaa Landing		1:2,500		
		Kukuihaele Landing		1:2,500		
4163	.25	Keauhou Bay—West Coast	do	1:2,500	21×24	1932
4164	.25	Kailua Bay—West Coast	do	1:5,000	19×20	1932
4165	.25	Puako Bay and vicinity—West Coast	do	1:2,500	24×28	1932
4166	.25	Kawaihae—West Coast	do	1:5,000	21×27	1932
4190	.75	United States possessions in the Samoa Islands			33×39	1929
		Samoa Islands		1:2,000,000		
		Tutuila Island		1:60,000		
		Pago Pago Harbor, Tutuila Island		1:15,000		
		Manua Islands		1:80,000		
		Swains Island		1:40,120		
		Rose Island		1:106,000		
4202	.50	Guam Island, Marianas Islands		1:80,000	29×31	1937
		Port Talofofo	Guam	1:10,500		
		Agaña Bay	do	1:28,300		
		Umatac Bay	do	1:5,330		
		Port Apra	do	1:37,500		


120°
125°
Taiwan
4200
4705
4200
Batan Is
20°
CHINA SEA
PACIFIC OCEAN
Babuyan Is
LUZON
15°
MANILA BAY
Polillo
4706
4714
4715
Catanduanes
MINDORO
Tablas
Sibuyan
MASBATE
SAMAR
Busuanga
Culion
4716
PANAY
Iloilo
LEYTE
NEGROS
CEBU
Cebu
Bohol
10°
PALAWAN
4720
4718
4719
SULU SEA
Balabac
MINDANAO
Zamboanga
Basilan
Jolo
BORNEO
Tawitawi
SULU ARCHIPELAGO
4708
5°
4200
4707
4722
4200

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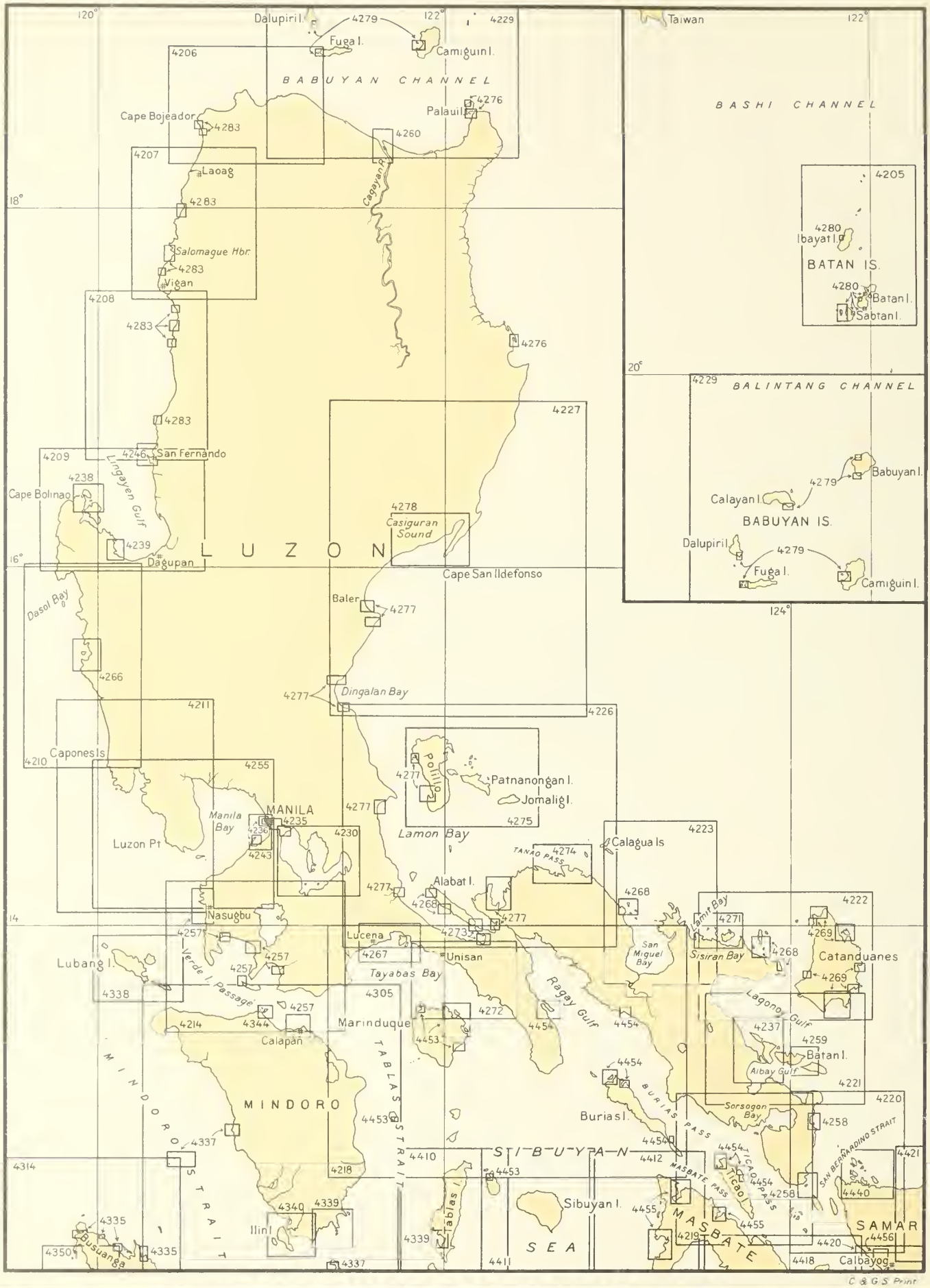
SAILING AND GENERAL CHARTS OF THE PHILIPPINE ISLANDS

No.	Price	Title	Approximate scale	Size of border (inches)	Date	No.	Price	Title	Approximate scale	Size of border (inches)	Date
4200	$0.75	Philippine Islands	1:1,600,000	33×49	1933	4716	$0.75	Palawan	1:400,000	34×40	1933
4705	.75	Manila Bay to Taiwan	1:800,000	28×44	1936	4718	.75	Panay, Negros and Cebu, with parts of Bohol and Masbate	1:400,000	31×41	1936
4706	.75	Philippine Islands, central part	1:800,000	27×40	1932						
4707	.75	Philippine Islands, southwestern part	1:800,000	31×41	1933	4719	.75	Surigao Strait and Leyte, with parts of Samar and Mindanao	1:400,000	30×40	1936
4708	.75	Philippine Islands, southeastern part	1:800,000	31×33	1937						
4714	.75	Southwestern Luzon and Mindoro	1:400,000	32×39	1936	4720	.75	Balabac Strait and approaches	1:400,000	31×41	1936
4715	.75	Southeastern Luzon and parts of Masbate and Samar	1:400,000	30×40	1934	4722	.75	Sulu Archipelago	1:400,000	30×42	1936


Dalupiri I.
Fuga I.
Camiguin I.
BABUYAN CHANNEL
Cape Bojeador
Palaui I.
Laoag
Cagayan R.
Salomague Hbr.
Vigan
San Fernando
Lingayen Gulf
Cape Bolinao
Dagupan
LUZON
Casiguran Sound
Cape San Ildefonso
Baler
Dasol Bay
Dingalan Bay
Capones Is.
Polillo
Patnanongan I.
Jomalig I.
MANILA
Manila Bay
Luzon Pt.
Lamon Bay
Calaguas Is.
TANAO PASS
Alabat I.
Nasugbu
Lucena
Unisan
Lubang I.
Verde I. Passage
Tayabas Bay
San Miguel Bay
Sibuyan Sea
Ragay Gulf
Lagonoy Gulf
Catanduanes
Batan I.
Albay Gulf
Sorsogon Bay
Marinduque
Calapan
MINDORO
TABLAS STRAIT
Burias I.
BURIAS PASS
SIBUYAN SEA
Tablas I.
Sibuyan I.
MASBATE
SAMAR
Calbayog
Ilin I.
Busuanga
MINDORO STRAIT
SAN BERNARDINO STRAIT
Taiwan
BASHI CHANNEL
Ibayat I.
BATAN IS.
Batan I.
Sabtan I.
BALINTANG CHANNEL
Babuyan I.
Calayan I.
BABUYAN IS.
Dalupiri I.
Fuga I.
Camiguin I.

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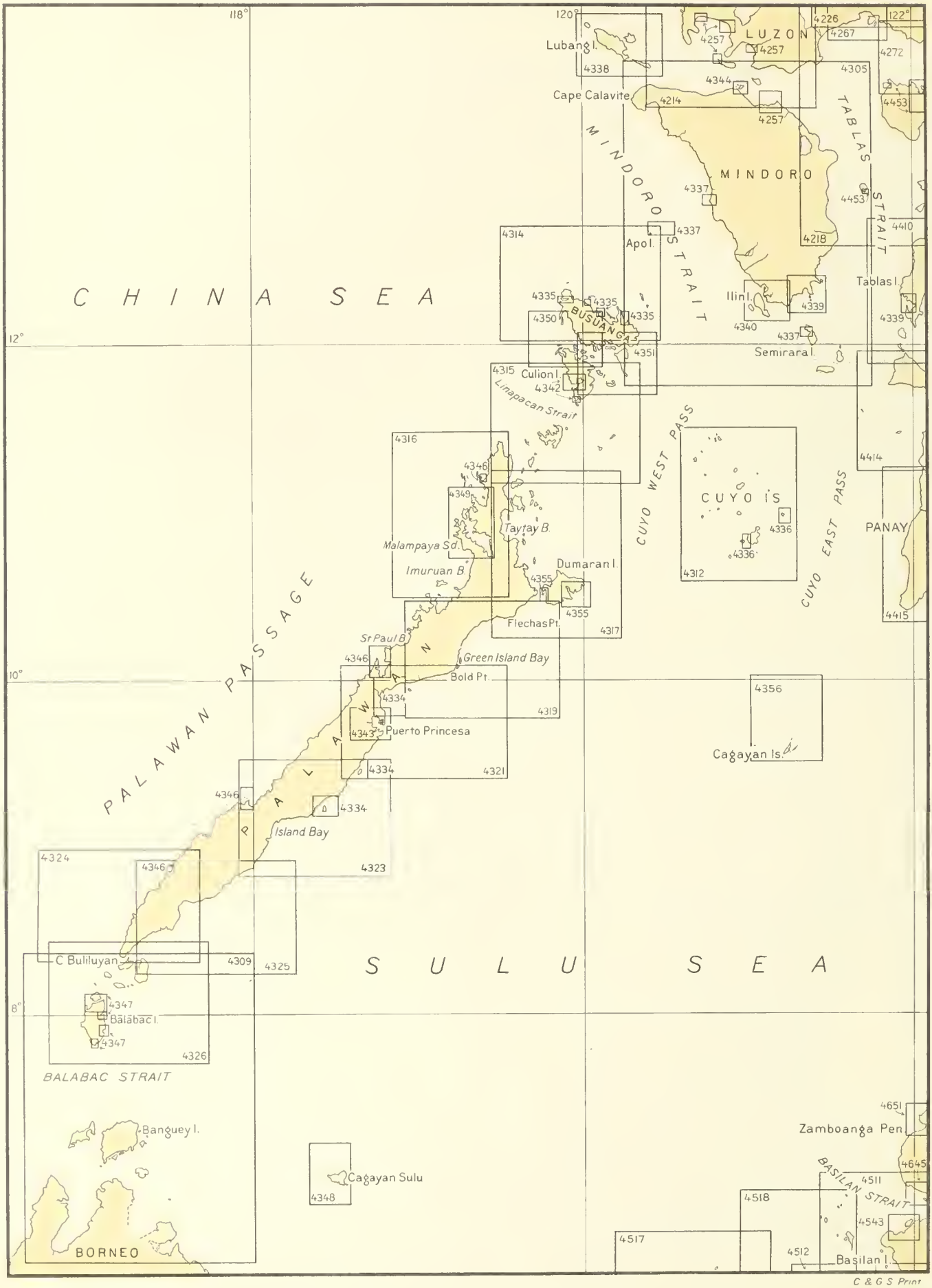
COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS

No.	Price	Title	Approximate scale	Size of border (inches)	Date
4200	$0.75	Philippine Islands (see p. 38 for diagram)	1:1,600,000	33×49	1933
4205	.75	Batan Islands	1:100,000	29×41	1929
4206	.75	Pata Point to Cape Bojeador to Bacarra, Luzon Island	1:100,000	30×40	1934
4207	.75	Bacarra to Santa, Luzon Island	1:100,000	32×41	1935
4208	.75	Santa to San Fernando; Luzon Island	1:100,000	32×42	1934
4209	.75	Lingayen Gulf; Luzon Island	1:100,000	31×42	1924
4210	.75	Capoues Islands to Dasol Bay; Luzon Island	1:125,000	24×41	1936
		Santa Cruz Inner Harbor	1:30,000		
		Iba Anchorage	1:30,000		
4211	.75	Approaches to Manila Bay	1:125,000	30×43	1932
4214	.75	Verde Island Passage	1:125,000	31×37	1933
4218	.75	Ragay Gulf to Tayabas Bay; Luzon Island	1:200,000	32×45	1922
		Vinas River	1:50,000		
4219	.75	Passages between Luzon and Masbate and Sorsogon Bay	1:100,000	35×39	1919
4220	.75	San Bernardino Strait; Luzon and Samar Islands	1.100,000	30×41	1936
		Biri Anchorage	1:20,000		
		Mano River	1:15,000		
4221	.75	Albay Gulf and part of Lagonoy Gulf; Luzon Island	1:100,000	29×40	1924
4222	.75	Lagonoy Gulf to Lamit Bay and Catanduanes Island; Luzon Island	1:100,000	32×43	1924
4223	.75	San Mignel and Lamit Bays; Luzon Island	1:100,000	29×41	1933
		Continuation of Bicol River	1:100,000		
4226	.75	Lamon Bay and Polillo Islands	1:200,000	31×35	1935
4227	.75	Dingalan Bay to Digollorin Bay	1:200,000	32×40	1933
4229	.75	Babuyan Islands	1:200,000	30×40	1933
4230	.75	Laguna de Bay	1:60,000	29×34	1921
		Napibndan Channel, Pasig River approach	1:10,000		
4235	.75	Pasig River; Luzon Island	1:10,000	26×42	1933
4236	.50	Manila and Cavite Harbors; Luzon Island		21×35	1936
		Manila Harbor	1:10,000		
		Cavite Harbor	1:10,000		
4237	.75	Tabaco Bay, Coal Harbor and Legaspi Port, Luzon Island Legaspi Port	1:10,000	32×41	1936
4238	.75	Bolinao Harbor and approaches; Luzon, Island	1.20,000	35×36	1911
4239	.50	Port Sual to Comas Island; Luzon Island	1:15,000	23×37	1904
4243	.50	Manila to Cavite	1:30,000	25×33	1936
4246	.50	San Fernando Harbor; Luzon Islaud	1:15,000	25×28	1936
4255	.75	Manila Bay and approaches coast of Luzon to Capones Islands; Luzon Island	1:125,000	32×36	1933
		Mariveles Harbor	1:30,000		
4257	.75	Anchorages, vicinity of Verde Island Passage		29×36	1922
		Nasugbu and Hamilo Cove; Luzon Island	1:50,000		
		Balayan; Luzon Island	1:10,000		
		Taal and Lemery; Luzon Island	1:10,000		
		Batangas; Luzon Island	1:15,000		
		Port Maricaban; Maricaban Island	1:10,000		
		Calapan; Mindoro Island	1:40,000		
4258	.25	Matnog Bay and Ticlin Strait; Luzon Island	1:30,000	18×26	1916
		Port Gubat; Luzon Island	1:20,000		
4259	.75	Rapu Rapu Strait	1:20,000	34×36	1924
4260	.25	Aparri Anchorage and part of Cagayan River; Luzon Island	1:25,000	20×33	1932
4266	.50	Ports Masinloc and Matalvi and Palauig Bay; Luzon Island	1:25,000	29×32	1907
4267	.50	Lucena Anchorage, Pagbilao Bay and Port Laguimanoc; Luzon Island	1:40,000	25×35	1924
4268	$0.50	Harbors from Alabat to Pitogo Bay		26×30	1909
		Port Alabat, southwest coast; Alabat Island	1:20,000		
		Sangirin Bay, nortbwest coast; Alabat Island	1:20,000		
		Tabgon Anchorage, east coast; Luzon Island	1:30,000		
		Canimo Pass and Mercedes, east coast; Luzon Island	1:25,000		
		Pitogo Bay, east coast; Luzon Island	1:15,000		
4269	.25	Harbors of Catanduanes		24×27	1923
		Cabngao Bay, soutb coast	1:50,000		
		Bagamanoc and Anajao, east coast	1:30,000		
		Cobo Bay, west coast	1:20,000		
		Port Manamrag, west coast	1:20,000		
		Pandan Bay, nortb coast	1:30,000		
		Gigmoto Bay, east coast	1:20,000		
		Kalapadan Bay, east coast	1:30,000		
4271	.75	Lamit and Sisirau Bays; Luzou Island	1:30,000	30×41	1924
4272	.75	Unisan to Mulaney and northern part of Marinduque; Luzon and Mariuduqne Islands	1:70,000	28×38	1910
4273	.25	Silangan Pass and Hondagna Harbor; Luzon Island	1:20,000	17×32	1913
4274	.50	Tanao Pass; Luzon Island	1:40,000	24×36	1921
4275	.75	Polillo Islands	1:80,000	32×42	1924
4276	.25	Harbors on the northeast coast of Luzon		22×34	1936
		Port Bicobian	1:15,000		
		Engaño Cove	1:10,000		
		Port San Vicente	1:15,000		
4277	.75	Harbors on tbe east coast of Luzon		31×38	1933
		Baler Ancborage	1:20,000		
		Dibut Bay	1:20,000		
		Dingalan Bay	1:20,000		
		Umiray River	1:20,000		
		Basiad Bay	1:40,000		
		Port Lampon	1:20,000		
		Hook Bay	1:20,000		
		Polillo Harbor	1:30,000		
		Mauban Ancborage	1:20,000		
		Port Apat	1:20,000		
4278	.75	Casiguran Sound, east coast of Luzon	1:40,000	32×41	1933
4279	.50	Harbors in Babuyan Islands		24×34	1931
		Banoa Ancborage	1:20,000		
		Calayan Landing and Cibang Cove	1:20,000		
		San Dionisio	1:20,000		
		Barugan Cove	1:20,000		
		Port San Pio Quinto	1:20,000		
		Mnsa Bay	1:15,000		
		Harbors in Batan Islands		23×35	1931
4280	.50	Mayan Landing, Itbayat Island	1:10,000		
		Basco, Batan Island	1:10,000		
		Mahatao, Batan Island	1:10,000		
		Balugan Bay, Batan Island	1:10,000		
		Uyugan, Batan Island	1:10,000		
		Sabtang, Sabtang Island	1:10,000		
		Sabtang Cbannel, Batan Island	1:20,000		
		Harbors on tbe west coast of Luzon		34×34	1934
4283	.75	Darigayos Inlet	1:10,000		
		Santiago Cove	1:10,000		
		San Esteban and Nalvo Bay	1:20,000		
		Solvec Cove	1:10,000		
		San Ildefonso Harbor	1:20,000		
		Salomague Harbor and Lapog Bay	1:20,000		
		Port Currimao and Gan Bay	1:20,000		
		Dirique Inlet	1:5,000		
		Nagabungan Bay	1:5,000		



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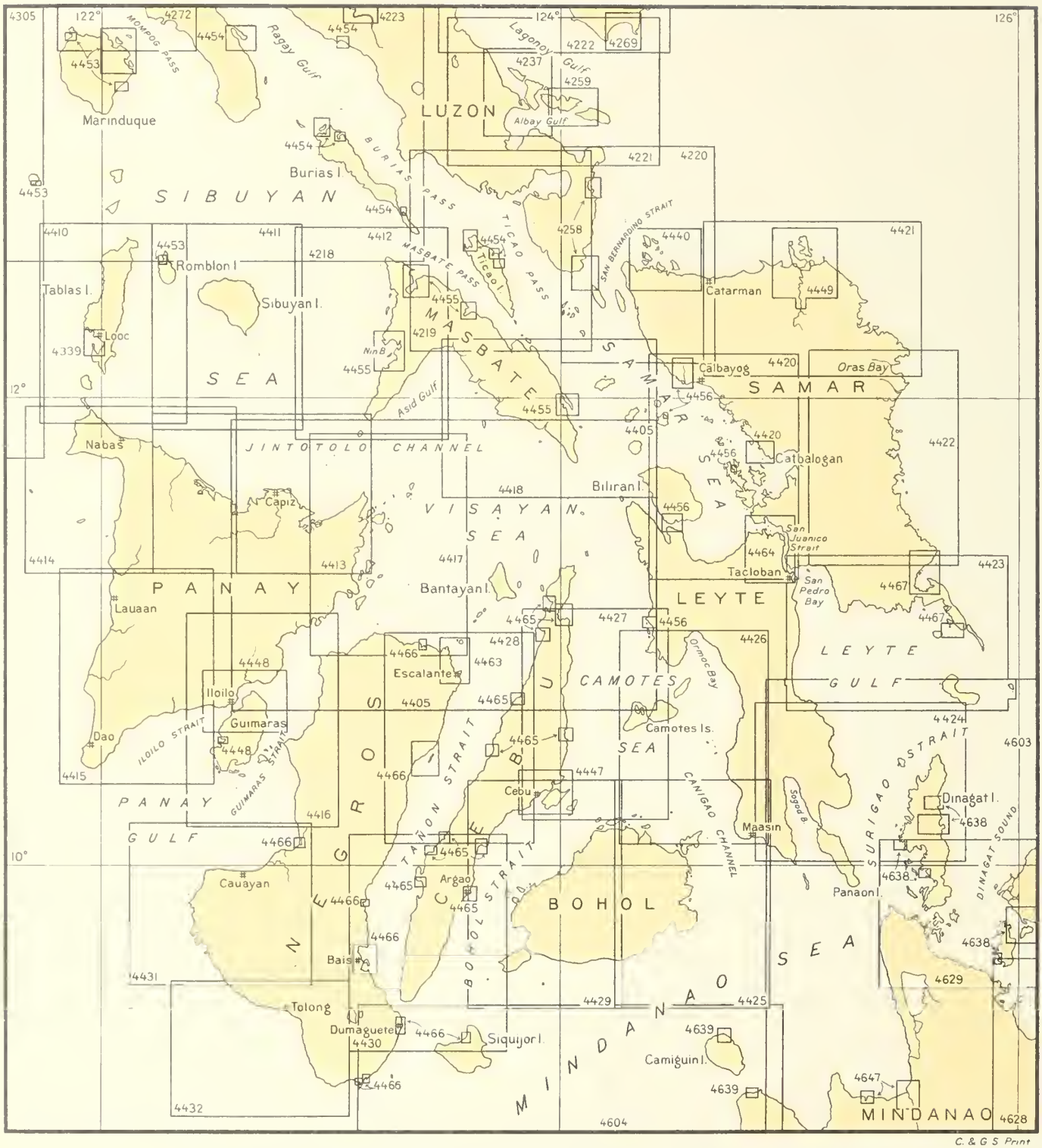
COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS — CONTINUED

COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS—Continued

No.	Price	Title	Approximate scale	Size of border (inches)	Date
4305	$0.75	Mindoro and vicinity	1:200,000	33×43	1919
4309	.75	Balahac Strait	1:200,000	31×42	1921
4312	.75	Cuyo Islands	1:100,000	31×41	1922
4314	.75	Northern part of Busuanga	1:100,000	31×42	1919
4315	.75	Palawan to Culion Island, including Linapacan Strait	1:100,000	32×41	1917
4316	.75	Northwestern Palawan	1:100,000	31×44	1933
4317	.75	Northeast coast of Palawan, Shark Fin Bay to Flechas Point; Palawan Island	1:100,000	31×44	1918
4319	.75	Green Island Bay and vicinity	1:100,000	31×41	1920
		Pascoe Channel, Green Island	1:20,000		
4321	.75	Bold Point to Malanao Island	1:100,000	31×43	1920
4323	.75	Malanao Island to Nariz Point	1:100,000	31×43	1922
4324	.75	Southern Palawan	1:100,000	32×43	1935
4325	.75	Nariz Point to Bugsuk Island	1:100,000	31×44	1936
4326	.75	North Balahac Strait and vicinity	1:100,000	32×42	1921
4334	.75	Anchorages East Coast of Palawan		27×39	1921
		Honda Bay	1:40,000		
		Malanao Anchorage	1:40,000		
		Panacan Anchorage	1:40,000		
4335	.25	Harbors on the north coast of Busuanga		18×29	1920
		Minuit Anchorage	1:20,000		
		Illultuk Bay	1:20,000		
		Port Caltom	1:20,000		
		Minangas Bay	1:20,000		
4336	.50	Anchorages in Cuyo Islands		29×34	1918
		Tagauayan Islands	1:10,000		
		Cuyo Anchorage and Bisucay Channel	1:10,000		
4337	.75	Anchorages west and south of Mindoro; Mindoro Island		28×36	1916
		Apo Reef	1:20,000		
		Sablayan Anchorage and Pandan Bay	1:20,000		
		Semirara Anchorage	1:20,000		
4338	.75	Lubang Islands	1:60,000	28×38	1914
		Golo Pass	1:20,000		
4339	$0.50	Anchorages southeastern Mindoro and Tablas Islands		25×37	1912
		Looc Bay; Tablas Island	1:40,000		
		Lagara Cove and Passes southward; Mindoro Island	1:20,000		
		Buruncan Point to Pocanil Bay; Mindoro Island	1:40,000		
4340	.50	Mangarin and Pandarochan Bays; Mindoro Island	1:40,000	26×30	1911
4342	.50	Halsey Harbor and Dicahaito Anchorage; Culion Island	1:20,000	23×32	1921
		Dicabaito Anchorage	1:20,000		
4343	.25	Puerto Princesa; Palawan Island	1:40,000	23×29	1920
4344	.75	Port Galera and Varadero Bay; Mindoro Island	1:10,000	29×35	1924
4346	.50	Harbors of Palawan Island		26×31	1932
		Bacuit, northwest coast	1:15,000		
		Ulugan Bay, west coast	1:30,000		
		Malanut and Nakoda Bays, west coast	1:30,000		
		Culasian Bay, west coast	1:20,000		
4347	.25	Harbors of Balabac Island		23×28	1920
		Clarendon Bay, south coast	1:15,000		
		Calandorang Bay, east coast	1:15,000		
		Dalawan Bay, east coast	1:20,000		
		Port Ciego, north coast	1:40,000		
4348	.50	Cagayan Sulu and adjacent islands	1:75,000	19×37	1924
		Lapunlapun Anchorage	1:15,000		
4349	.50	Malampaya Sound and approaches; Palawan Island	1:50,000	27×38	1933
4350	.75	Western entrance to Coron Bay; Calamian Group	1:50,000	30×39	1919
4351	.75	Coron Bay; Calamian Group	1:50,000	33×41	1916
		Culion Landing	1:2,000		
4355	.75	Harbors on Dumaran Island	1:20,000	32×38	1920
		Dumaran Bay	1:20,000		
4356	.75	Cagayan Islands	1:60,000	33×38	1923
		Cagayan Anchorage	1:10,000		


LUZON
SIBUYAN
SEA
MASBATE
SAMAR
SAMAR SEA
LEYTE
LEYTE GULF
VISAYAN SEA
PANAY
PANAY GULF
GUIMARAS
NEGROS
CEBU
BOHOL
CAMOTES SEA
MINDANAO SEA
MINDANAO
Marinduque
Burias I.
Romblon I.
Tablas I.
Sibuyan I.
Looc
Nabas
Capiz
Lauaan
Iloilo
Guimaras
Dao
Escalante
Bantayan I.
Biliran I.
Catarman
Calbayog
Oras Bay
Catbalogan
Tacloban
San Pedro Bay
San Juanico Strait
Ormoc Bay
Camotes Is.
Cebu
Maasin
Dinagat I.
Panaon I.
Surigao Strait
Dinagat Sound
Canigao Channel
Sogod B.
Tañon Strait
Bohol Strait
Argao
Bais
Tolong
Dumaguete
Siquijor I.
Camiguin I.
Caubayan
Jintotolo Channel
Asid Gulf
Ragay Gulf
Lagonoy Gulf
Albay Gulf
Mompog Pass
Burias Pass
Masbate Pass
Ticao Pass
San Bernardino Strait
Iloilo Strait
Guimaras Strait
Nin B
Tigbol
122°
124°
126°
12°
10°

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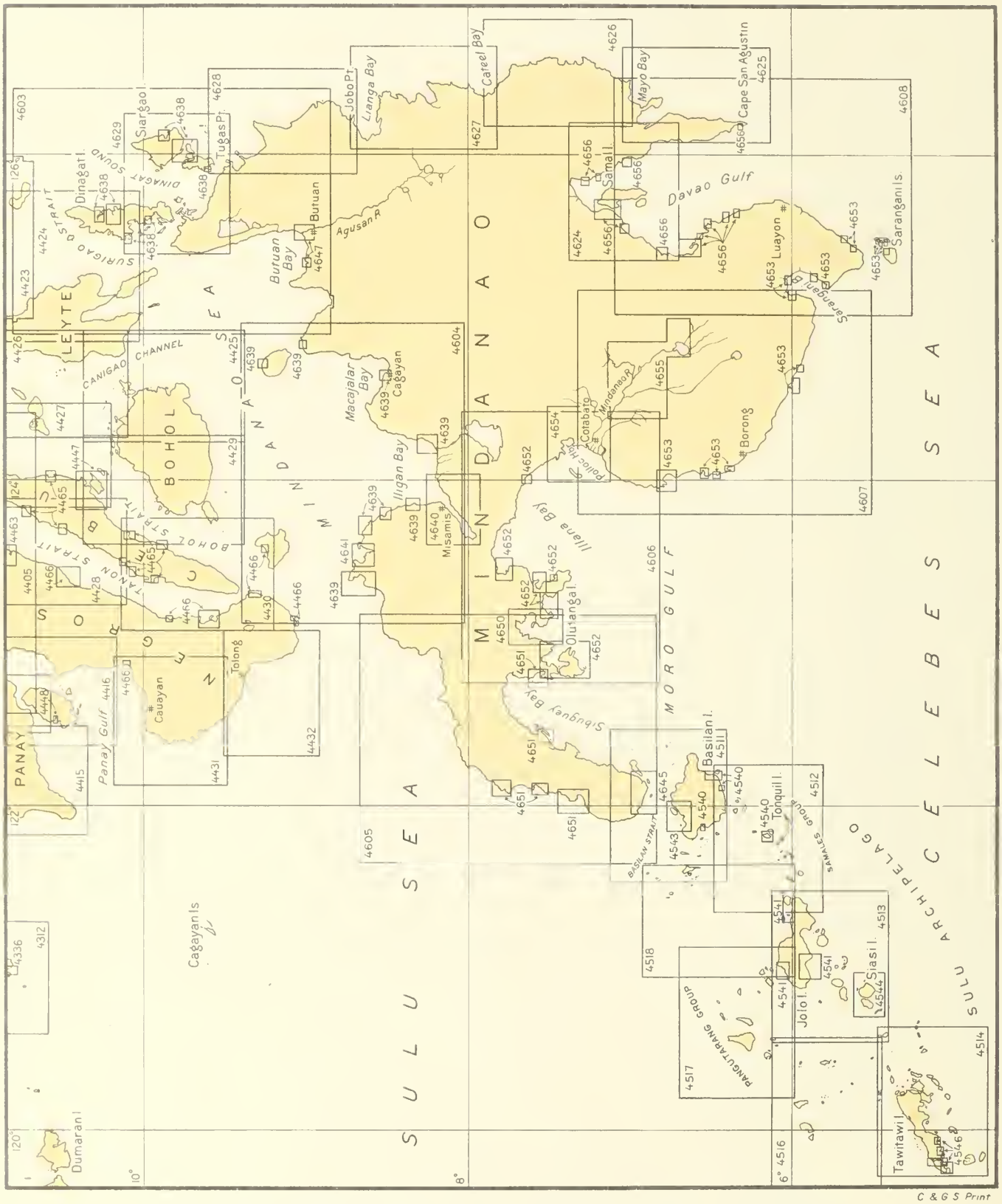
No.	Price	Title	Approximate scale	Size of border (inches)	Date
4405	$0.75	Visayan Sea	1:200,000	28×41	1914
4410	.75	Tablas Island and vicinity	1:100,000	28×38	1913
4411	.75	Sibuyan and Romblon Islands	1:100,000	29×39	1914
4412	.75	Western Masbate	1:100,000	30×40	1917
4413	.75	Northern Panay, Sigat Point to Bulacaue Point	1:100,000	30×42	1919
		Capiz Bay	1:30,000		
		Port Batan	1:30,000		
4414	.75	Northwestern Panay	1:100,000	32×40	1917
4415	.75	Southwestern Panay	1:100,000	30×40	1921
		San Jose	1:10,000		
4416	.75	Iloilo and Guimaras Straits; Panay and Guimaras Islands	1:100,000	30×41	1925
4417	.75	Northeastern Panay and adjacent islands	1:100,000	31×42	1911
4418	.75	Southeastern Masbate	1:100,000	30×41	1915
4420	.75	Calbayog to Taclohan; Samar and Leyte Islands	1:100,000	29×42	1936
		Catbalogan Harbor	1:35,000		
4421	.75	Catarman to Oras Bay; Samar Island	1:100,000	30×42	1908
		Helm Harbor and San Ramon Bay	1:25,000		
4422	.75	Oras Bay to Matarinao Bay; Samar Island	1:100,000	29×41	1908
		Port Lihas	1:30,000		
		Port Borongan	1:30,000		
		Llorente and vicinity	1:30,000		
4423	.75	Southern part of Samar and San Pedro Bay	1:100,000	30×43	1910
4424	.75	Southeast coast of Leyte and Dinagat Island	1:100,000	31×41	1913
		Liloan Bay and Panaon Strait	1:10,000		
4425	.75	Eastern Bohol and part of Leyte	1:100,000	31×44	1910
4426	.75	Southwest coast of Leyte, Ormoc Bay to Maasin	1:100,000	30×41	1915
		Maasin	1:10,000		
4427	.75	East coast of Cebu; Cebu Island	1:100,000	28×40	1910
4428	.75	Northern part of Tañon Strait; Negros and Cebu Islands	1:100,000	29×40	1911
4429	.75	Western Bohol; Bohol Island	1:100,000	30×44	1911
4430	.75	Tañon Strait, southern part; Cebu and Negros Islands	1:100,000	31×42	1911
4431	.75	Western Negros	1:100,000	32×36	1926
		Asia Bay	1:10,000		
4432	.75	Southwestern Negros	1:100,000	27×36	1913
4440	.50	Biri Channel and vicinity, northwest coast of Samar	1:40,000	25×32	1934
4447	.50	Cebu Harbor and approaches; Cebu Island	1:30,000	28×35	1935
		Cebu Harbor	1:10,000		
4448	.50	Iloilo Strait and Harbor; Panay Island	1:50,000	24×32	1935
		Iloilo River	1:10,000		
		Santa Ana Bay	1:20,000		
4449	.75	Port Palapag and Laoang Bay; Samar Island	1:40,000	31×33	1924
4453	.75	Harbors of Marinduque Island and vicinity		29×36	1913
		Port Balanacan, northwest coast; Marinduque Island	1:10,000		
		Santa Cruz Harbor and Masagasai Bay, northeast coast; Marinduque Island	1:30,000		
		Torrijos Bay, east coast; Marinduque Island	1:5,000		
		Port Concepcion; Maestre de Campo Islands	1:10,000		
		Harbors of Marinduque Island and vicinity—Continued.			
		Romblon Harbor, west coast; Romblon Island	1:10,000		
4454	$0.75	Harbors on Burias and Ticao Islands and Ragay Gulf		32×33	1920
		Port Pusgo, Ragay Gulf; Luzon Island	1:30,000		
		Pasacao Anchorage, Ragay Gulf; Luzon Island	1:20,000		
		Port Busin, north coast; Burias Island	1:20,000		
		Port Busainga, northeast coast; Burias Island	1:15,000		
		Port Boca Engaño, southeast coast; Burias Island	1:10,000		
		Port San Miguel, northwest coast; Ticao Island	1:20,000		
		Port San Jacinto, east coast; Ticao Island	1:20,000		
		Taclogan Bay, east coast of Ticao Island	1:20,000		
4455	.75	Harbors on the coast of Mashate		28×37	1917
		Port Barrera, north coast	1:30,000		
		Masbate Harbor, northeast coast	1:20,000		
		Port Cataingan, east coast	1:30,000		
		Nin Bay, west coast	1:30,000		
4456	.25	Harbors of Samar and Leyte		24×27	1914
		Jibatan River, west coast; Samar Island	1:50,000		
		Santo Niño Harbor; Santo Niño Island	1:5,000		
		Parasan Harbor; Daram Island	1:10,000		
		Biliran Strait; Leyte and Biliran Islands	1:20,000		
		Port Palompon; Leyte Island	1:10,000		
4463	.75	Escalante Harbor and vicinity; Negros Island	1:20,000	30×41	1924
4464	.75	San Juanico Strait and Janabatas Channel; Samar and Leyte, Islands	1:30,000	31×40	1916
		Northern entrance to San Juanico Strait	1:10,000		
4465	.50	Harbors in Cebu		25×32	1912
		Hagnaya Bay	1:30,000		
		Tuburan	1:30,000		
		Balamban Bay	1:30,000		
		Lambusan	1:30,000		
		Dumanjug Bay	1:20,000		
		Moalboal	1:20,000		
		Argao	1:25,000		
		Bogo Bay	1:30,000		
		Carcar Bay	1:15,000		
		Port Carmen	1:15,000		
		Barili Bay	1:15,000		
4466	.75	Harbors in Negros and vicinity		32×36	1922
		Dumaguete; Negros Island	1:10,000		
		Himugaan River; Negros Island	1:15,000		
		Calagcalag Bay; Negros Island	1:10,000		
		Port Canoan; Siquijor Island	1:5,000		
		Port Bombonon; Negros Island	1:10,000		
		Refugio Pass; Negros Island	1:35,000		
		Bais; Negros Island	1:30,000		
		Port Siyt; Negros Island	1:10,000		
		Himamaylan; Negros Island	1:20,000		
4467	.25	Guiuan Harbor; Samar Island	1:20,000	19×31	1911
		Pambuhan Harbors; Samar Island	1:35,000		



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COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS — CONTINUED

No.	Price	Title	Approximate scale	Size of border (inches)	Date
4511	$0.75	Basilan Strait; Mindanao and Basilan Islands	1:100,000	32×42	1928
4512	.75	Samales Group, Sulu Archipelago	1:100,000	31×42	1926
4513	.75	Jolo and Tapul Islands, Sulu Archipelago	1:100,000	33×42	1934
4514	.75	Tawitawi and vicinity, Sulu Archipelago	1:100,000	33×44	1934
4516	.75	Pearl Bank to Dammai Island, Sulu Archipelago	1:100,000	32×43	1930
4517	.75	Pangutarang Islands	1:100,000	31×42	1929
4518	.75	Jolo to Pilas Islands, Sulu Archipelago	1:100,000	31×42	1929
4540	.50	Anchorages Basilan and Samales Is.		32×33	1927
		Port Holland, west coast of Basilan	1:5,000		
		Amoyloi Anchorage, south coast of Basilan	1:20,000		
		Ton Sandungun Channel, Samales Group	1:20,000		
		Bojelebung and Kauhian Channels, east coast of Basilan	1:15,000		
4541	.50	Anchorages in Jolo Islands; Jolo Island		31×32	1927
		Jolo Anchorage, north coast	1:10,000		
		Dalrymple Harbor and Capual Channel, northeast coast	1:20,000		
		Maimbung Bay, south coast	1:40,000		
4543	.50	Isabela Channel and approaches; Basilan Island	1:25,000	25×33	1925
4544	.75	Siasi and Lapac Islands	1:30,000	31×40	1935
4546	.75	Harbors in western Tawitawi		31×37	1930
		Luuk Bay	1:20,000		
		Luuk Sula Bay and Batu Batu Bay	1:15,000		
		Manalik Channel	1:15,000		
		Port Bongao	1:15,000		
4603	.75	Surigao Strait and vicinity; Mindanao and Leyte Islands	1:200,000	34×44	1936
4604	.75	Iligan Bay and vicinity	1:200,000	31×41	1929
4605	.75	Zamboanga Peninsula; Mindanao, west coast	1:200,000	34×41	1930
4606	.75	Port Sibulan to Polloc Harbor; Mindanao Island	1:200,000	28×37	1932
4607	.75	Cotabato to Sarangani Bay; Mindanao Island	1:200,000	31×41	1925
		Milbuk Harbor	1:10,000		
4608	.75	Sarangani Bay to Mayo Bay	1:200,000	33×41	1937
4624	.75	Northern part of Davao Gulf; Mindanao Island	1:100,000	32×39	1935
		Davao	1:5,000		
		Malipano Anchorage	1:20,000		
4625	.75	Cape San Augustin to Mayo Bay; Mindanao Island	1:100,000	26×40	1914
		Balete Bay	1:20,000		
4626	.75	Mayo Bay to Cateel Bay; Mindanao Island	1:100,000	30×41	1915
4627	.75	Cateel Bay to Jobo Point; Mindanao Island	1:100,000	29×40	1915
		Lamon Anchorage	1:20,000		
		Catarman Anchorage	1:20,000		
4628	.75	Jobo Point to Tugas Point; Mindanao Island	1:100,000	29×40	1913
		Bitaogan Bay	1:30,000		
4629	.75	Hinatuan Passage; Mindanao Island	1:100,000	30×38	1913
		Surigao	1:10,000		
4638	.75	Harbors on Dinagat, Siargao and Bucas Islands		30×37	1913
		Dapa Channel	1:35,000		
		Gaas Bay and Inlet	1:30,000		
		Dinagat	1:20,000		
		Sohutan Bay and Inlet	1:20,000		
		San Roque	1:25,000		
		Port Pilar	1:30,000		
		Malinao Inlet	1:25,000		
4639	.75	Anchorages in Iligan Bay and vicinity; Mindanao Island		29×35	1911
		Plaridel and Inamucan Bay	1:25,000		
		Dapitan and Dipolog	1:40,000		
4640	$0.50	Port Misamis; Mindanao Island	1:60,000	26×33	1908
		Port Misamis	1:20,000		
4641	.50	Murcielagos Bay; Mindanao Island	1:20,000	31×33	1929
4645	.50	Vicinity of Zamboanga Masinloc Anchorage to Caldera Bay; Mindanao Island	1:30,000	24×37	1935
		Zamboanga water front	1:5,000		
4647	.25	Agusan River entrance; Mindanao Island	1:20,000	19×27	1934
		Nasipit Harbor; Mindanao Island	1:15,000		
4650	.75	Dumanquilas Bay	1:35,000	30×38	1930
4651	.50	Harbors on the south and west coasts of Mindanao		28×33	1930
		Port Banga; Mindanao Island	1:20,000		
		Taba Bay; Mindanao Island	1:30,000		
		Port Santa Maria; Mindanao Island	1:30,000		
		Panabutan and Piacan Bays; Mindanao Island	1:40,000		
		Sibuco Bay; Mindanao Island	1:30,000		
4652	.75	Harbors in Illana Bay and vicinity; Mindauao Island		31×34	1931
		Port Sibulan	1:60,000		
		Port Baras	1:20,000		
		Limbug Cove	1:15,000		
		Port Sambulauan	1:30,000		
		Pagadian Bay	1:50,000		
		Maligay Bay	1:50,000		
4653	.75	Harbors on the south coast of Mindanao Island		31×41	1933
		Linao Bay	1:30,000		
		Port Lebak	1:20,000		
		Basiauang Bay	1:20,000		
		Tuna Bay	1:20,000		
		Kiamba	1:10,000		
		Kling	1:10,000		
		Makar	1:10,000		
		Boayan	1:10,000		
		Sapu Bay	1:10,000		
		Canalasan Cove	1:10,000		
		Butulan Cove	1:10,000		
		Fort Holland	1:10,000		
		Port Patuco	1:10,000		
		Port Tumanao	1:10,000		
		Port Bolay	1:10,000		
		Kaimba	1:10,000		
4654	.75	Mindanao River Delta and Polloc Harbor; Mindanao Island	1:50,000	34×41	1917
		Parang and Polloc Anchorages	1:20,000		
		Cotahato entrance, Mindauao River	1:20,000		
4655	.75	Mindanao River, upper part; Mindanao Island	1:50,000	34×42	1924
		Continuation of Buluan and Alip Rivers	1:50,000		
4656	.75	Anchorages in Davao Gulf		32×41	1933
		Talomo Bay	1:30,000		
		Pakiputan Strait	1:20,000		
		Malalag Bay	1:20,000		
		Kopia	1:20,000		
		Magnaga	1:20,000		
		Kumassie	1:20,000		
		Mapauga Bay	1:20,000		
		Port Tubalan	1:20,000		
		Digos	1:20,000		
		Malita	1:20,000		
		Lais	1:20,000		
		Lavigan Anchorage	1:5,000		

UNITED STATES COAST PILOTS AND INTRACOASTAL WATERWAYS PILOTS

Each book furnishes information required by the navigator for the area indicated, that cannot be shown conveniently on the nautical chart. They contain detailed information relative to the coast line, port information, sailing directions for coasting and entering harbors, and general information as to weather conditions, radio service, etc. New editions are published about every five years. Supplements, containing changes and new information, are published annually and distributed free.

Distanees Between United States Ports (the last item listed) gives the distances between more than 30,000 ports along the shortest route marked by aids to navigation, and includes a time table for various distances at different speeds.

ATLANTIC COAST

Sec. A: St. Croix River to Cape Cod (1933), with Supplement to July 3, 1936. Price, 75 cents.

Sec. B: Cape Cod to Sandy Hook (1933), with Supplement to November 18, 1936. Price, 75 cents.

Sec. C: Sandy Hook to Cape Honry, including Dolaware and Chesapeake Bays (1937). Price, 75 cents.

Sec. D: Cape Henry to Key West (1936), Price, 75 cents.

GULF COAST

Key West to the Rio Grande (1936). Price, 75 cents.

INTRACOASTAL WATERWAYS (INSIDE ROUTE)

New York to Key West (1936), with September 1936 correction sheet. Price, 50 cents.

WEST INDIES

Puerto Rico and Virgin Islands (1929), with Supplement to March 20, 1936. Price, 75 cents.

PACIFIC COAST

California, Oregon, and Washington (1934), with Supplement to November 12, 1936. Price, 75 cents.

ALASKA

Part 1.—Dixon Entrance to Yakutat Bay, with Inside Passage from Juan de Fuca Strait to Dixon Entrance (1932), with Supplement to February 13, 1937. Price, 75 cents.

Part 2.—Yakutat Bay to Arctic Ocean (1931), with Supplement to February 9, 1937. Price, 75 cents.

HAWAIIAN ISLANDS

The Hawaiian Islands (1933), with Supplement to February 28, 1936. Price, 50 cents.

PHILIPPINE ISLANDS

Part 1.—Luzon, Mindoro, and Visayas (1927), with Supplement to April 23, 1936. Price, 75 cents.

Part 2.—Palawan, Mindanao, and Sulu Archipelago (1930), with Supplement to April 25, 1936. Price, 75 cents.

DISTANCE TABLES

Distances Between United States Ports. Price, 10 cents.

*NOTICE TO MARINERS

Notice to Mariners (United States), a weekly leaflet issued jointly with the Bureau of Lighthouses of the Department of Commerce, is free to those who desire copies regularly. It may be consulted at sales agencies and at all United States customhouses, lighthouse offiees, hydrographic offices, and consulates abroad. Notice to Mariners is issued as a safety aid, to keep mariners advised of constant changes so they may keep their nautical charts and coast pilots up to date. New charts, new editions of charts, and new publications, are also announced therein.

*Notice to Mariners and List of Lights, Buoys, etc., pertaining to the Philippines are issued free to mariners by the Commonwealth Government of the Philippine Islands, Manila, P. I. A limited supply of these is available at the Coast and Geodetic Survey Field Stations in San Francisco, Calif., and Honolulu, T. H.

TIDE TABLES AND CURRENT TABLES

Tide Tables and Current Tables are issued in advanee annually and in addition to the predictions for every day of the year for important harbors, include differenees by which similar predictions may be readily obtained for thousands of other places, as well as miscellaneous astronomieal data.

The Tide Tables cover the predicted times and heights of high and low water, and include tables for obtaining the height of tide at any time, local civil time of sunrise and sunset, reduetion of local civil to standard time, and moonrise and moonset.

The Current Tables cover the predicted time of slack and the times and velocities of strength of current, and include tables on duration of slack, coastal tidal currents, wind currents, combination of currents, and current diagrams of certain waterways.

Tide Tablos, Atlantic Ocean. Price, 25 cents.

Tide Tables, Pacific Ocean and Indian Ocean. Price, 25 cents.

Current Tables, Atlantic Coast, North America. Price, 10 cents.

Current Tables, Pacific Coast, North America and Philippine Islands. Price, 10 cents.

Current Diagram No. 2, Chesapeake Bay. Price, 15 cents.

TIDAL CURRENT CHARTS

Good for any year, they eontain 12 tidal current charts of the particular water area covered, and are printed in colors, depicting for each tidal hour the direction and velocity of the current that may be expected throughout the entire harbor. Useful not alone to the navigator but to the engineer and scientist confronted with problems involving the circulation of surface waters.

Boston Harbor (1931). Price, 25 cents.

New York Harhor (1935). Price, 25 cents.

San Francisco Bay (1934). Price, 25 cents.

Long Island Sound and Block Island Sound (1934). Price, 25 cents.

LIGHT LISTS PUBLISHED BY THE LIGHTHOUSE SERVICE

[Describe lighted aids, radiobeacons, fog signals, unlighted huoys, and daymarks]

For sale by the Superintendent of Documents, Washington, D. C., and at sales agencies listed in Notice to Mariners in the first issue of each month.

North Atlantic Coast of the United States (includes all aids to navigation, from Canada to and including Chesapeake Bay).

South Atlantic Coast of the United States (includes aids to navigation on the seacoast and principal trihntaries, from Chesapeake Bay to Rio Grande).

Intracoastal Waterway of the Atlantic Coast (includes aids to navigation in the intracoastal waterway and inside waters from Hampton Roads to Rio Grande).

Great Lakes, United States and Canada (includes also unlighted aids in the United States waters).

Pacific Coast of the United States and Canada (includes also unlighted aids in the United States waters).

Mississippi and Ohio Rivers, Including Mississippi Ri er and Navigable Trihutaries (includes also unlighted aids).

MISCELLANEOUS MAPS AND PLANS

No.	Price	Title	State	Scale		Size of border (inches)	Date
				Proportional	Inches to statute miles		
3035	$0.45	Washington City, by Ellicott	D. C	1:19,800	3.20	21×29	1792
3043	.45	City of Washington	do	1:19,800	3.20	17×20	1792
	10.00	King plats of the city of Washington (19 sheets, including title-page, text page, and index map).	do	1:2,400	26.4	28×40	1803
3036	.45	Washington City, by W. J. Stone	do	1:12,070	5.25	23×31	1863
3101 to 3190	Each. .15	District of Columbia, city excepted, in 58 sheets	do	1:4,800	13.20	14×14	1881 to 1893
3081	.30	Birthplace of Washington	Virginia	1:10,000	6.34	22×29	1897
3032	.50	Part of Bahama Islands, showing tracks ascribed to Columbus				22×36	1881
3240	.25	St. Thomas, Virgin Islands	W. I	1:40,000	1.58	17×29	1922
3241	.25	St. John, Virgin Islands	do	1:40,000	1.58	10×22	1934
3242	.25	St. Croix, Virgin Islands	do	1:40,000	1.58	16×37	1923
3055	.50	San Francisco Peninsula	Calif	1:40,000	1.58	18×28	1869
3099	.15	Aitoff's Equal Area Projection of the Sphere				18×25	1920
3060	.30	Outline Map, Lambert Conformal Conic Projection	United States	[1] 1:5,000,000		26×40	1919
3060a	.40	Aeronautical Planning Chart. Lambert conformal conic projection, showing principal cities, airports, and radio broadcasting stations.	do	[1] 1:5,000,000		26×40	1935
3068	.20	Outline Map, Lambert Zenithal Equal Area Projection	do	[1] 1:7,500,000		21×26	1919
3069	.25	Outline Map, Lambert Conformal Conic Projection	Alaska	[1] 1:5,000,000		18×27	1912
3070	.75	North Atlantic Ocean, with eastern North America and Europe. Lambert Projection.		[1] 1:10,000,000		24×46	1918
3074	.40	Great Circle. United States Gnomonic Projection (showing selected airports along air routes).		[1] 1:5,094,000		27×41	1934
3074a	.40	Great Circle. United States Gnomonic Projection (black and white)		[1] 1:5,094,000		27×41	1934
3077	.20	Lines of Equal Magnetic Declination and of Equal Annual change in the United States.				21×27	1935
3080	.25	North Pacific Ocean, Transverse Polyconic Projection		[1] 1:20,000,000		14×41	1921
3082	.25	Outline Map of the Philippine Islands, Polyconic Projection		[1] 1:2,500,000		20×30	1929
3083	.10	Philippine Islands Base Map, Mercator Projection in Lat. 13° N		[1] 1:5,000,000		11×17	1905

[1] Scale approximate.

CHARTS AND MAPS ISSUED BY OTHER FEDERAL DEPARTMENTS

[Obtainable from the services named at the addresses given]

WAR DEPARTMENT:
- United States Army (Corps of Engineers)—
  - Tactical maps of limited areas.
- United States District Engineer Office—
  - Louisville, Ky., or Cincinnati, Ohio.
    - Maps of Ohio and Wabash Rivers.
  - Chicago, Ill.
    - Maps of Illinois Waterway (Lakes to Gulf).
- Lake Survey, Detroit, Mich.—
  - Charts of the Great Lakes, New York State Barge Canal (Erie Canal), Lake Champlain and of the St. Lawrence River to Cornwall, Canada.
- Mississippi River Commission, Vicksburg, Miss.
  - Maps of Mississippi River from the Head of Passes to Cairo, Ill.

NAVY DEPARTMENT: Hydrographic Office—
- Charts of foreign countries.

INTERIOR DEPARTMENT:
- Geological Survey—
  - Topographic and geologic maps.
- General Land Office—
  - Maps of the United States and of States and Territories.

POST OFFICE DEPARTMENT: (Topographer's Office)—
- Post route maps of States and Territories.

DEPARTMENT OF AGRICULTURE:
- Bureau of Chemistry and Soils—
  - Soil maps in county units.
- Forest Service—
  - Maps of National Forests and of forested regions.

SALES AGENTS

[*Agents marked with an asterisk also handle U. S. Hydrographic Office publications. †Agents marked with a dagger also handle U. S. Lighthouse Service publications]

Maine—
Bar Harbor: Charles Parker.
Bath: †Hall & Hunt, 106 Front Street.
Belfast: Lord & Co., 31 Front Street.
Boothbay Harbor: W. E. Sawyer.
Brunswick: F. W. Chandler & Son.
Camden: †The Village Shop, 25 Main Street.
Eastport: *†S. L. Wadsworth & Son, 5–8 Central Wharf.
Manset: A. F. Ramsdell.
Portland: *†W. S. Jordan Co., 102 Commercial Street.
Rockland: *†Huston-Tuttle Book Co., 404 Main Street.
Stonington: T. Warren & Co.
New Hampshire—Portsmouth: W. S. Jackson.
Massachusetts—
Bass River, Cape Cod: Theodore Frothingham.
Boston:
†U. S. Coast and Geodetic Survey Field Station, 808 Customhouse.
*†C. C. Hutchinson, 175 State Street.
*†Kelvin & Wilfrid O. White Co., 90 State Street.
*†Advance Nautical Equipment Co., 154 State Street.
Chatham: Mayflower Shop.
Edgartown: The Edgartown Store, Inc.
Gloucester:
†Harry F. Mawhinney, 42 Main Street.
*George K. Rogers, 150 Main Street.
New Bedford: †C. E. Beckman Co., 31–35 Commercial Street.
Vineyard Haven: Mrs. E. C. Lord.
Woods Hole: H. A. Daniels.
Rhode Island—
Newport: †*W. H. Tibbetts Co., 185 Thames Street.
Providence: Goff & Page, 54 Customhouse Street.
Connecticut—
Bridgeport: Rider, Hayes Co., 610–612 Water Street.
Devon: C. E. French, 109 Bridgeport Avenue.
Essex: The Essex Paint and Marine Co.
Hartford: †Clapp & Treat, Inc., 51 Market Street.
Middletown: Hazen's Bookstore, 238 Main Street.
New Haven: †Bradley & Scoville, Inc., 67–69 Orange Street.
New London:
†Edwin Keeney Co., 15 Main Street.
†The Darrow & Comstock Co., 114 Bank Street.
South Norwalk: Fox Cycle & Hardware Co., 108 Washington Street.
Stamford: Stamford Bookstore, Inc., 15 Atlantic Street.
New York—
Albany: †B. Lodge & Co., 109 North Pearl Street.
Bay Shore, L. I.: H. A. Brewster, 5 Ocean Avenue.
City Island: Hunter A. Wiusetta, 279 City Island Avenue.
Flushing: Flushing Boat Sales and Service, 135–15 Northern Boulevard.
Freeport: Chatfield's Marine Sales and Service, Inc., Hudson Point.
Greenport: S. T. Preston & Son.
Huntingtou: †Huntington Hardware Co.
New York:
†U. S. Coast and Geodetic Survey Field Station, 741 Customhouse.
*†John Bliss & Co., 84 Pearl Street.
*†C. S. Hammond & Co., 30 Church Street.
*†T. S. & J. D. Negus, 69 Pearl Street.
*Kelvin & Wilfrid O. White Co., 38 Water Street.
†The E. J. Willis Co., 91 Chambers Street.
Abercrombie & Fitch Co., Madison Avenue and Forty-fifth Street.
Seaway Equipment Corporation, 49 Vanderbilt Avenue.
Port Jefferson: Charles S. Dickerson.
Port Washington: A. & R. Marshall, 403 Main Street.
Sag Harbor, L. I.: R. C. Barry & Son.
New Jersey—
Atlantic City: †Service Station Co., Massachusetts and Adriatic Avennes.
Bay Head: F. Slade Dale.
Cape May: Cape Island Boat, Oil & Engine Co.
Perth Amboy: Frank P. Woglom, 204 Smith Street.
Point Pleasant: Point Pleasant Hardware Co.
Red Bank: Harold H. Brown, 80 Riverside Avenue.
Delaware—Wilmington: †David A. Hay & Co., 121 Market Street.
Pennsylvania—
Philadelphia:
*†John E. Hand & Sons Co., Third and Chestnut Streets.
*†Riggs & Bro., 310 Market Street.
The Map Store, 50 North Thirteenth Street.
H. Wallace Barraclough, Jr., 113 Chestnut Street.
Marine Equipment & Supply Co., 106 Walnut Street.
Maryland—
Annapolis: *Weems System of Navigation.
Baltimore:
*†John E. Hand & Sons Co., 11–13 South Gay Street.
*†E. Smola Co., Inc., 43 South Gay Street.
Crisfield: J. P. Tawes & Bro.
District of Columbia—Washington: U. S. Coast and Geodetic Survey Office.
Virginia—
Newport News: *†E. Smola, 2415 Washington Avenue.
Norfolk:
†William Freeman & Son, Inc., 317 Granby Street.
*†W. T. Brownley, 121 Randolph Street.
*†Henry Eagleton, 6 Arcade Building.
Richmond: Everett Waddey Co.
North Carolina—
Elizabeth City: P. W. Melick Co., 11–13 South Water Street.
Morehead City: *Dee Gee's Shop.
Wilmington: *C. D. Maffitt & Co., Rooms 207–208, C. D. Maffitt's Marine Wireless Building.
South Carolina
Charleston: *†The Hammond Book Store, 10 Broad Street.
Georgia
Brunswick: Brunswick Hardware Co.
Savannah: John D. Robinson Co., 11 Bay Street, West.
Florida
Crystal River: Frederick Van Roy.
Fort Myers: J. B. Parker, Inc.
Fort Pierce: Hortons, Inc.
Jacksonville: *†The H. & W. B. Drew Co.

Florida—Continued.
Key West: *†Roberts' Book Store, 222 Duval Street.
Miami:
*†Frank T. Budge Co.
*†The Hopkins-Carter Co., Miami Avenue and Southeast Second Street.
Phillips Hardware Co., 301 North Miami Ave.
Pensacola: *†Central Hardware & Supply Co., 209–211 South Palafox Street.
St. Augustine: Cordova Co., corner Cordova and Hypolita Streets.
St. Petersburg: Bayboro Marine Ways Co., Inc., Second Street and Seventh Avenue, South.
Tampa: *†W. M. Fielder, 109 South Franklin Street.
Tarpon Springs: Webster Little.
West Palm Beach: Palm Beach Mercantile Co.
Alabama—Mobile: *†Mobile Ship Chandlery Co., corner Danphin, Commerce, and Front Streets.
Louisiana—
New Orleans:
†U. S. Coast and Geodetic Survey Field Station, 314 Customhouse, 423 Canal Street.
*†J. S. Sareussen, 317 Tchoupitonlas Street.
*†Baker, Lyman & Co., 308 Magazine Street.
Texas—
Galveston: *†Purdy's Book Store, 2220 Avenue D.
Houston:
*†Peden Iron & Steel Co., 700 N. San Jacinto Street.
Port Arthur: *N. M. Nielsen, 417 Austin Avenue.
Rockport: Fred M. Percival.
Cuba—Habana: *Ednardo Mencio, Obispo #79.
Puerto Rico—San Juan: *Plaza Provision Co., 15 Allen Street.
U. S. Virgin Islands—St. Thomas: * E. L. Simmons, Harbormaster.
Canal Zone—Cristobal: *†Captain of the Port.
California—
Balboa: Balboa Marine Hardware Co.
Eureka: †C. O. Lincoln & Co., 615 Fifth Street.
Los Angeles:
†Dietrich-Post Co. of Los Angeles, 812 South Spring Street.
*A. Lietz Co., 913 South Grand Avenue.
San Diego: *†Arey-Jones Co., 933 Fourth Street.
San Francisco:
†U. S. Coast and Geodetic Survey Field Station, 307 Customhouse.
*†Geo. E. Butler, Alaska Commercial Building, 356 California Street.
*†A. Lietz Co., 70 Post Street.
*†Lonis Weule Co., 6 California Street.
San Pedro:
*†Marine Hardware Co., 509 Beacon Street.
†C. J. Heudry Co., 111–121 South Front Street.
*†Southwest Instrument Co., 246 West Seventh Street, Los Angeles Harbor
Santa Barbara: Pacific Coast Publishing Co., 1022 State Street.
Tahoe: Tahoe Mercantile Co.
Wilmington: Club Boat Shop, 201–203 Avalon Boulevard.
Oregon—
Astoria: *The Beebe Co., 587 Bond Street.
Marshfield: G. R. Theiring.
North Bend: Oregon-Pacific Co., Inc.
Portland:
*†The Beebe Co., 504–10 SW. First Avenue.
*†Frank H. Parks, 213 SW. Washington Street.
†Portland Instrument Co., 334 SW. Fifth Avenne.
Washington—
Anacortes: †S. D. Temple & Co., 610 Commercial Avenue.
Bellingham: Griggs Stationery & Printing Co., 212 East Holly Street.
Everett: Black & King, 2930 Colby Avenue.
Friday Harbor: Friday Harbor Drug Co.
Mount Vernon: †Ray Eldridge Stationery Co.
Olympia: The Smokehouse, 415 Capitol Way.
Seattle:
†U. S. Coast and Geodetic Survey Field Station, 601 Federal Office Building.
*†Max Kuner Co., 812 First Avenne.
*†Lowman & Hanford Co., 1515 Second Avenue.
*†Pacific Marine Supply Co., 1217 Western Avenue.
Northwest Instrument Co., 63 Madison Street.
Charles F. Metsku, 1020 Third Avenue.
Tacoma: *†The Stationers, Inc., 926 Pacific Avenue.
Alasko—
Cordova: Cordova Drng Co.
Craig: J. L. Lucier.
Hoonah: O. G. Hillman.
Juneau: †The Hayes Shop.
Ketchikan: *†Ryus Drug Co.
Kodiak: W. J. Erskine Co.
Petersburg: The Trading Union, Inc.
Seward: Alaska Shop.
Sitka: †Conway & Ganty.
Valdez: Valdez Drug Co., Inc.
Wrangell: †Campbell Brothers.
Hawaii—Honolulu: *Honolulu Paper Co., Ltd., 1045 Bishop Street.
Philippine Islands—
Cebu: Pacific Commercial Co.
Iloilo: Hoskyn & Co.
Manila:
†U. S. Coast and Geodetic Survey Field Station, Intendencia Building.
*Luzon Stevedoring Co., between Pier 3 and Pier 5, Port Area.
Zamboanga: Francisco Barrios & Co.
Canada—
Montreal, Quebec:
*Kelvin, Bottomley & Baird, Canada, Ltd., 101 Commissioners Street.
Nanaimo, B. C.: T. A. Barnard.
Prince Rupert, B. C.: *McRae Bros., Ltd.
Vancouver, B. C.:
*†Capt. A. P. W. Williamson & Son, 1052 West Pender Street.
*The Clarke & Stuart Co., Ltd., 550 Seymour Street.
Victoria, B. C.: Diggon-Hibben, Ltd., 1208 Government Street.
Germany—
Berlin SW.: Dietrich Reimer (Ernst Vohsen), 48 Wilhelmstrasse, 29.
Hamburg: Deutsches Seekarten Berichtigungsinstitut, Herrengrahen 29, Javahaus.
Netherlands—Amsterdam: Firma L. J. Harri, Prins Hendrikkade, No. 90.

PUBLICATIONS OF THE INTERNATIONAL HYDROGRAPHIC BUREAU

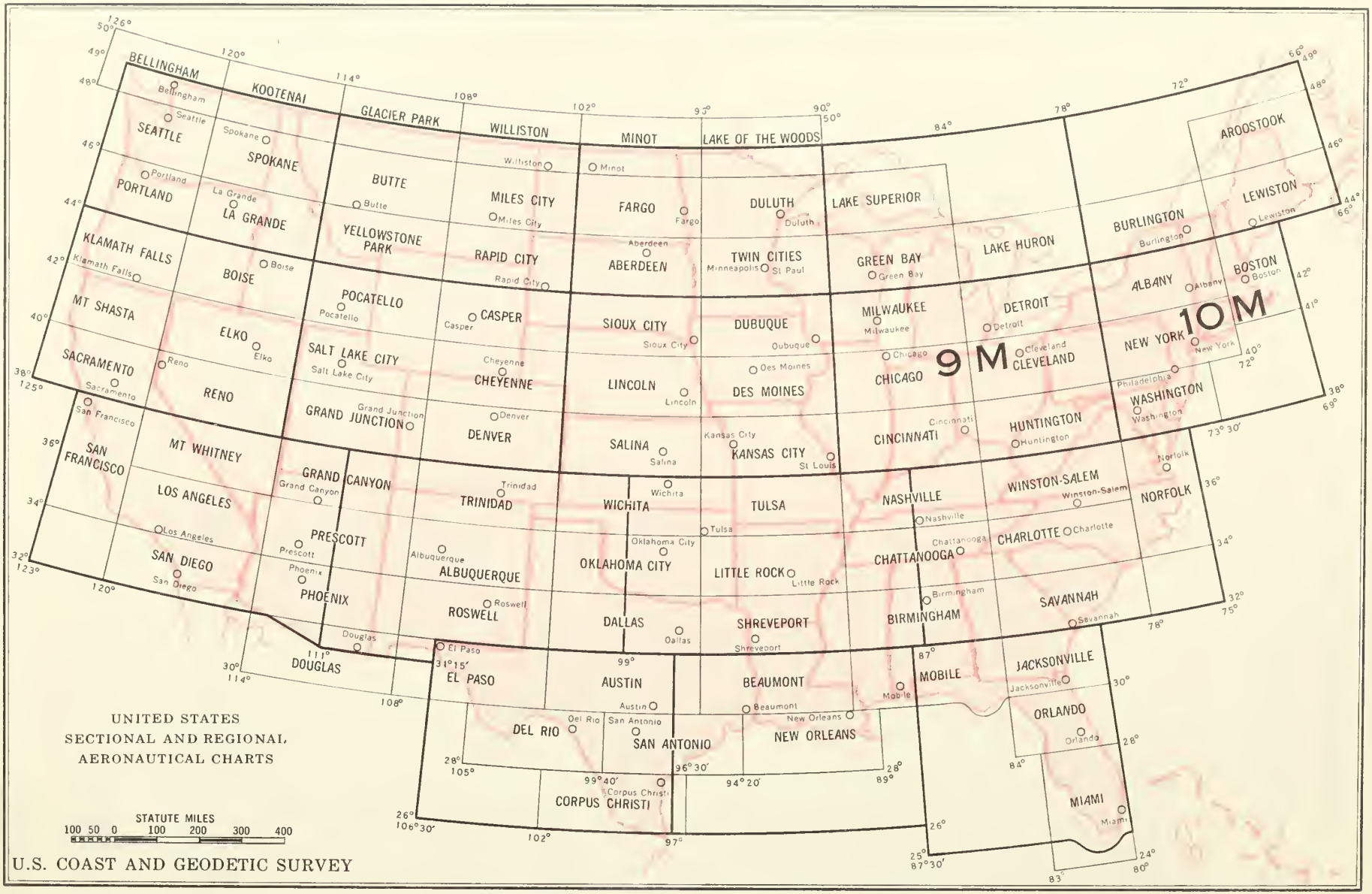
[Obtained from the Secretary General. International Hydrographic Bureau, Monaco (Principality). The edition required should be specified. Payment to be made by check or international postal order, payable at Monte-Carlo, in French francs as from January 1, 1933. Stamps, money, and bank notes not accepted]

	French francs
I. Reports of Proceedings of the International Hydrographic Conferences:	
First Conference, London, 1919	70.00
Second Conference, Monaco, 1926	70.00
First Supplementary Conference, Monaco, 1929	70.00
Third Conference, Monaco, 1932	70.00
Repertory of Resolutions adopted by the first 3 conferences (postage extra)	12.50
II. Statutes of the International Hydrographic Bureau, 1926, with supplement, 1932 (postage extra)	5.00
III. Annual Reports of the International Hydrographic Bureau (since 1921) each volume (postage extra)	5.00
IV. Special Publications on Technical Subjects (postage extra):	
*No. 1. Echo Sounding (December 1923) (out of print)	
*No. 2. Report on Observations of Lights Made in the United Kingdom (March 1924)	2.50
*No. 3. Echo Sounding (October 1924)	2.50
*No. 4. Echo Sounding (March 1925)	2.50
*No. 5. International Low Water (March 1925)	2.50
*No. 6. Summary of Data on Uniformity in Buoyage and Buoy Lighting (August 1925)	2.50
Illustrated Tabulation (3 sheets)	15.00
No. 6a. Further Summary of Data on Uniformity in Buoyage and Buoy Lighting (October 1925)	2.50
*No. 7. Report on the Observations of Visibility of Lights (August 1925)	2.50
*No. 8. Summary of Data on Uniformity in Storm Warning Signals (December 1925)	2.50
Illustrated Tabulation (3 sheets)	15.00
No. 8a. Further Summary of Data on Uniformity in Storm Warning Signals (July 1926)	2.50
*No. 9. Unification of Buoyage (January 1926)	2.50
*No. 10. International Low Water (January 1926)	5.00
No. 11. Summary of Data on Wind Force and the Beaufort Scale (April 1926)	2.50
No. 12. Investigation of Harmonic Constants; Prediction of Tides and Currents, and their description by means of these Constants (May 1926)	12.50
No. 12a. Table of Harmonic Constants	12.50
No. 13. Tide Predicting Machines (July 1926)	50.00
*No. 14. Echo Sounding (August 1926)	7.50
*No. 15. Summary of Data on Coastal Signals, with proposals for their unification (April 1926)	5.00
Illustrated Tabulation (8 sheets)	45.00
*No. 16. Summary of Data on Port Signals (July 1926)	5.00
Illustrated Tabulation (10 sheets)	50.00
*No. 17. Summary of Data on Safety of Life at Sea (January 1927)	10.00
No. 18. List of Life-saving Stations (3d edition, Dec. 1935). Suppl. no. V, May 1931	7.50
*No. 19. Ocean Currents in Relation to Oceanography, Marine Biology, Meteorology, and Hydrography (March 1927)	7.50
No. 20. General List, arranged by oceans and historical cards of shoals of doubtful existence and of shoals the positions of which are doubtful or approximate. Second edition, revised and completed:	
Part A, North Atlantic Ocean (January 1932)	8.00
Part B, South Atlantic Ocean (January 1932)	8.00
Part C, Indian Ocean (January 1932)	8.00
Part D, North Pacific Ocean (January 1933)	10.00
Part E, South Pacific Ocean (July 1933)	12.00
No. 21. Table of Meridional Parts (December 1928)	15.00
IV. Special Publications on Technical Subjects—Continued.	
No. 22. Manual of Symbols and Abbreviations (March 1936)	25.00
No. 22a. Tabulation of the Principal Characteristics of Lights	2.50
No. 22b. Beaufort Scale (December 1931)	2.50
No. 22c. Terminology of Submarine Relief (January 1932)	2.50
No. 23. Limits of Oceans and Seas (August 1928)	9.00
No. 24. Geographical Positions, Part 1 (April 1930)	25.00
No. 24a. Geographical Positions, Part 2 (February 1931)	37.50
No. 25. Catalog of Original Charts, Part I (Seas of Europe) (April 1929), including Supplements up to May 1, 1933	12.50
No. 25a. Part II (Atlantic Ocean, Indian Ocean) (May 1931), including Supplement up to July 1, 1933	12.50
No. 25b. Part III (Pacific Ocean), May 1935	25.00
No. 26. List of Harmonic Constants (December 1933, edition)	125.00
No. 27. General Repertory of Original Nautical Documents Issued by Hydrographic Offices (November 1931)	25.00
No. 28. Vocabulary Concerning Tides: (in English and French) (March 1932)	2.50
No. 28a. (in German Dutch and Spanish) (October 1934)	5.00
No. 29. Vocabulary Concerning Fog Signals (November 1933)	2.50
No. 30. Parts A^1 and A^1. General Bathymetric Charts of the Oceans. Information concerning the preparation of the 3d ed. (each part)	5.00
No. 31. General List of Tidal Authorities and Tidal Records. Dec. 1935	30.00
C–1. Planisphere, Marcator Proj., scale on Eq. 1:45,000,000–39″x20″	7.50
C–2. Reproduction of Mercator's Chart, 1569, 18 sheets	250.00
C–3. General Bathymetric Chart of the Oceans. Scale 1:10,000,000; in 24 sheets. (Price on application.)	
V. Hydrographic Review, published in May and November of each year since 1923 (except in November 1923, and November 1926). Vol. I, no. 2, May 1924 (English edition) is out of print. Each number forms one volume 8vo 11″ by 7½″, illustrated, of about 200 pages (postage extra)	50.00
Subscriptions for 2 or more consecutive numbers: When the order is given directly to the Bureau (not through a bookseller) and paid with order, the price of each number is F. F. 45.00 carriage paid (not applicable to previous numbers).	
Index to the first twelve numbers of The Hydrographic Review, free on request. Index to the first twenty-four numbers, price	5.00
VI. Hydrographic Bulletin (bilingual, English-French), published each month from January 1928 to December 1933. Price per number (postage extra)	5.00
Price of 12 consecutive numbers ordered directly from the Bureau and paid at time of ordering: 50.00 French francs (post free).	
Thereafter the Bulletin has been published every two months. Price per number (postage extra)	7.00
Price of 6 consecutive numbers ordered directly from the Bureau and paid at time of ordering: 40.00 French francs (post free).	
VII. Year Book (bilingual, English-French), published each year, commencing January 1928. One volume, giving the titles, addresses, etc., of hydrographers all over the world (postage extra)	12.50

There is an English and a French edition of all publications, except of the Report Proceedings of the London Conference of 1919 (English edition only) and of the Hydrographic Bulletin, Year Book and some special publications, which are bilingual.

A reduction of 50 percent on all these prices is allowed to Government offices and Naval and Mercantile Marine officers of States Members of the Bureau if the order is sent direct to the Bureau.

* Reproduced in the Hydrographic Review which follows their issue.



AERONAUTICAL CHARTS OF THE UNITED STATES

AERONAUTICAL CHARTS OF THE UNITED STATES

[For Airway Maps of the Philippine Islands, see page 59]

The aeronautical charts published and issued by the Coast and Geodetic Survey are designed for use in air navigation. Lithographed in colors, they give emphasis to radio ranges, airports, auxiliary landing fields, beacon lights, high-tension lines, and other aids or obstructions to air navigation. This aeronautical information is accurately located upon a base map showing streams, roads, railroads, towns, elevations, and all characteristic details of the terrain.

Sectional Charts, size about 20 by 42 inches, are on a scale of 1:500,000 (8 miles to the inch), and cover an area within 2° of latitude and 6° of longitude, with an overlap on adjoining charts. The 87 charts cover the entire United States. They sell for 40 cents. (See quantity discount below.)

Regional Charts, size about 33 by 50 inches, are on a scale of 1:1,000,000 (16 miles to the inch), and cover an area within 6° latitude and 12° longitude. The Day Flying Regional Charts are priced at 75 cents; the Day and Night Flying Regional Charts are $1.20. (See quantity discount below.)

SECTIONAL AERONAUTICAL CHARTS

(Scale 1:500,000. Price, 40 cents each)

Aberdeen.	Cheyenne.	Fargo.	Lincoln.	Orlando.	Seattle.
Albany.	Chicago.	Glacier Park.	Little Rock.	Phoenix.	Shreveport.
Albuquerque.	Cincinnati.	Grand Canyon.	Los Angeles.	Pocatello.	Sioux City.
Aroostook.	Cleveland.	Grand Junction.	Miami.	Portland.	Spokane.
Austin.	Corpus Christi.	Green Bay.	Miles City.	Prescott.	Trinidad.
Beaumont.	Dallas.	Huntington.	Milwaukee.	Rapid City.	Tulsa.
Bellingham.	Del Rio.	Jacksonville.	Minot.	Reno.	Twin Cities.
Birmingham.	Denver.	Kansas City.	Mobile.	Roswell.	Washington, D. C.
Boise.	Des Moines.	Klamath Falls.	Mt. Shasta.	Sacramento.	Wichita.
Boston.	Detroit.	Kootenai.	Mt. Whitney.	Salina.	Williston.
Burlington.	Douglas.	La Grande.	Nashville.	Salt Lake City.	Winston-Salem.
Butte.	Dubuque.	Lake Huron.	New Orleans.	San Antonio.	Yellowstone Park.
Casper.	Duluth.	Lake of the Woods.	New York.	San Diego.	
Charlotte.	El Paso.	Lake Superior.	Norfolk.	San Francisco.	
Chattanooga.	Elko.	Lewiston.	Oklahoma City.	Savannah.	

REGIONAL AERONAUTICAL CHARTS

(Scale 1:1,000,000)

DAY FLYING (Price, 75 cents)	DAY AND NIGHT FLYING (Price $1.20)
9–M	9–MN
10–M	10–MN

CONTROL CHARTS FOR THE AIR PILOT

(Price, 40 cents each)

Chart No. 3060a: Aeronautical planning chart of the United States. This is on the Lambert conformal conic projection, which is used both in the sectional and regional aeronautical charts, and is at a scale of 1:5,000,000 (80 miles to the inch). It affords a high degree of accuracy in the measurement of distances between widely separated points and in the plotting of radio bearings. About 40 of the principal broadcasting stations and 250 of the country's leading airports are shown in red, facilitating radio-compass navigation and the plotting of routes between principal airports. Courses also may be measured thereon, although in general they should be measured on one of the larger-scale series. A straight line on this chart is a close approximation to the path of a great circle, and for all practical purposes may be regarded as the shortest route between two points. Sectional charts are outlined in green.

Chart No. 3074: Great-circle chart of the United States This is on the gnomonic projection and therefore there can be no constant scale. It is not suitable for the measurement of courses, bearings, or distances, but any straight line on the gnomonic projection represents a precise great-circle track, and the chart is therefore very useful for an exact determination of the great-circle route over long distances. Airports, shown on chart no. 3060a, are included on this chart also. Radio stations are omitted, since the gnomonic projection is not adapted to radio navigation.

These charts sell for 40 cents. (See quantity discount below.) They are not returnable.

MAGNETIC DECLINATION

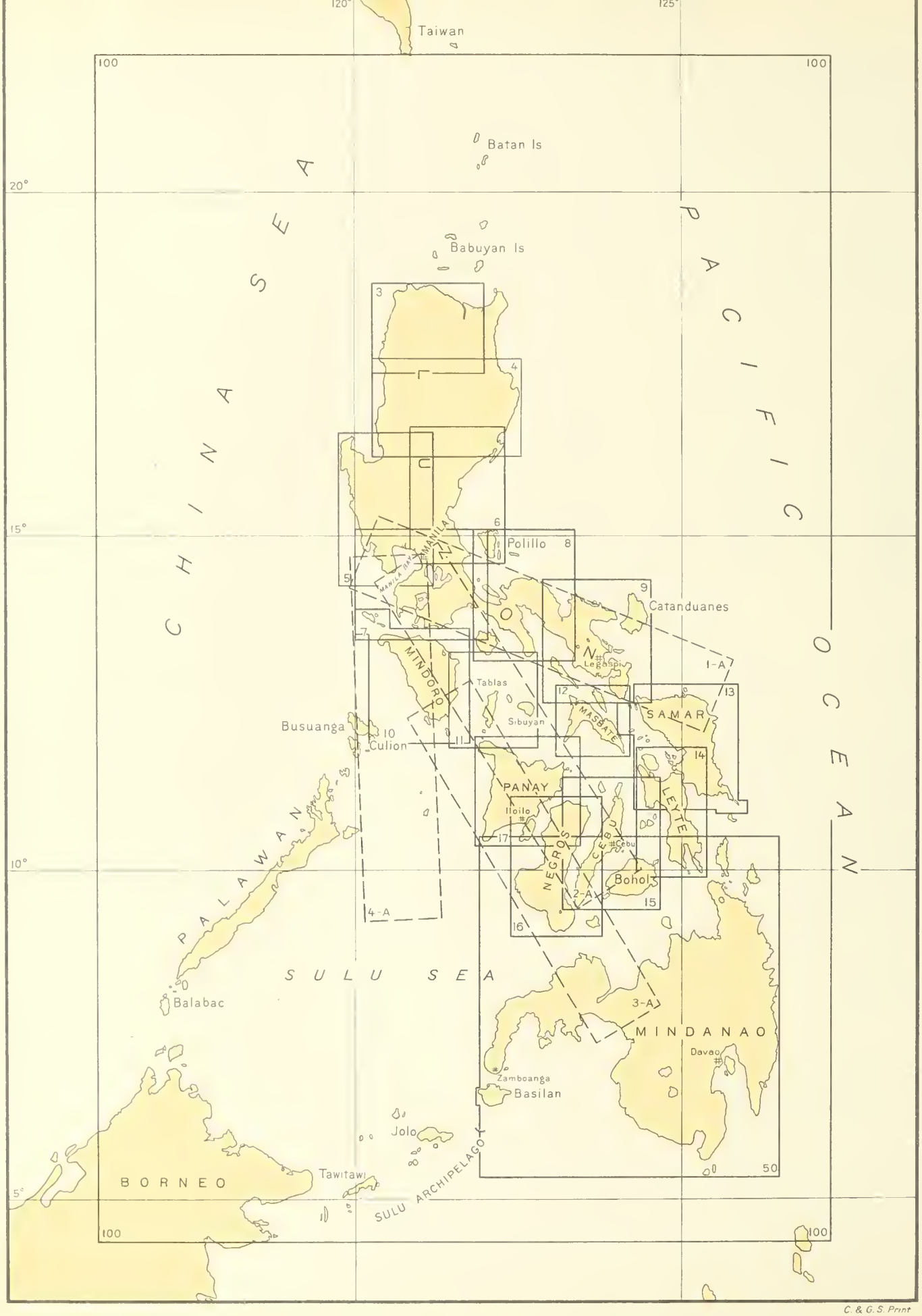
(Price, 20 cents)

Chart No. 3077: Lines of equal magnetic declination and equal annual change in the United States for the year 1935. This chart is issued at intervals of 5 years, the lines of annual change providing means of estimating declination for intervening years. This chart sells at 20 cents. (See quantity discount below.)

QUANTITY DISCOUNT

A discount of 33⅓ percent from full published prices is allowed on orders for aeronautical and auxiliary charts and books amounting to $10 (gross value) made in one shipment to one address. They are not returnable.

NOTE.—**Purchases** of the above listed aeronautical charts of the United States and the outline charts described above may be made from the Director, Coast and Geodetic Survey, Washington, D. C., or from Field Stations (listed on p. 1).



C. & G. S. Print

STRIP AIRWAY MAPS AND TOPOGRAPHIC MAPS OF THE PHILIPPINE ISLANDS

STRIP AIRWAY MAPS OF THE PHILIPPINE ISLANDS

(These maps may be purchased from the Director of Coast Surveys, Manila, P. I. or from the Director, Coast and Geodetic Survey, Washington, D. C., at 50 cents each)

No. 1–A. Manila to Legaspi and Laoang (1929).
No. 2–A. Manila to Iloilo and Cebu (1930).
No. 3–A. San Jose and Iloilo to Malabang (1934).

TOPOGRAPHIC AND OUTLINE MAPS OF THE PHILIPPINE ISLANDS

No.	Price	Title	Approximate scale	Size of border (inches)	Date	No.	Price	Title	Approximate scale	Size of border (inches)	Date
		TOPOGRAPHIC MAPS						TOPOGRAPHIC MAPS—Contd.			
3	$2.00	Northern Luzon—western sheet	1:200,000	38×56	1932	15	$1.50	Cebu and Bohol	1:200,000	33×43	1934
4	1.25	Northern Luzon—southern sheet	1:200,000	31×49	1935	16	1.50	Negros	1:200,000	32×46	1935
5	1.50	Central Luzon	1:200,000	32×50	1936	17	1.00	Panay	1:200,000	35×38	1931
6	1.00	Central Luzon—eastern sheet	1:200,000	31×45	1933	50	1.50	Mindanao	1:600,000	36×39	1934
7	1.50	Southern Luzon—western sheet	1:200,000	36×44	1936	100	2.00	Philippine Islands (in four sheets)†	1:1,000,000	50×78	1933
8	1.50	Southern Luzon—central sheet	1:200,000	34×43	1930						
9	1.50	Southern Luzon—southern sheet	1:200,000	36×41	1933			OUTLINE MAPS			
10	1.00	Mindoro	1:200,000	32×40	1935						
11	.50	Romblom, Tablas, and Sibuyan	1:200,000	30×32	1934			Outline Map of the Philippine Islands, Polyconic Projection	1:2,500,000	20×30	1934
12	.50	Mashate	1:200,000	25×26	1932	3082	.25				
13	1.50	Samar	1:200,000	36×40	1934			Philippine Islands Base Map, Mercator Projection in Lat. 13° N	1:5,000,000	11×17	1905
14	1.00	Leyte	1:200,000	24×44	1933	3083	.10				

† Can be supplied by the Director of Coast Surveys, Manila, P. I., mounted on muslin, at $4 per copy.

PUBLICATIONS ON TRIANGULATION AND MAGNETIC DECLINATION IN THE PHILIPPINE ISLANDS

[Obtainable only from the Director of Coast Surveys, Manila, P. I.

Philippine Islands, Vol. I.—8vo., paper, pp. 468 (1927). Price, 50 cents.
Philippine Islands, Vol. II.—8vo., paper, pp. 476 (1927). Price, 50 cents.
Manila.—8vo., paper, pp. 55 (1926). Price, 15 cents.
Magnetic Declination for Philippine Islands (1925). Price, 30 cents.

NUMERICAL LIST OF NAUTICAL CHARTS

No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page
50	$0.75	3	296	$0.50	11	508	$0.50	15	836	$0.25	19	1210	$0.75	7	3032	$0.50	49
70	.75	3	297	.25	7	509	.50	15	837	.25	19	1211	.75	7	3035	.45	49
77	.75	3	298	.50	9	517	.75	17	838	.25	19			9	3036	.45	49
78	.75	3	299	.25	9	520	.50	17	839	.25	19	1212	.75	9	3043	.45	49
178	.75	15	303	.75	5	525	.75	17	840	.25	19	1213	.75	9	3055	.50	49
179	.75	15	304	.75	5	529	.75	11	841	.25	19	1214	.75	9	3060	.30	49
180	.75	15	305	.75	5	530	.50	11	842	.25	19	1215	.75	9	3060a	.40	49
181	.75	15	306	.75	5	531	.75	11	843	.25	19	1216	.75	11			53
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183	.75	15	308	.75	5	534	.75	11	845	.25	19	1218	.75	11	3069	.25	49
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185	.75	15	310	.75	5	536	.75	11	847	.25	19	1220	.75	11	3074	.40	49
197	.75	17	311	.75	5	537	.75	13	848	.25	19	1221	.75	11	3074a		
198	.75	17	312	.75	5	538	.75	13	901	.75	21	1222	.75	11	3075	.75	3
199	.75	17	313	.75	5	539	.75	11	902	.75	21	1223	.75	11	3076	.75	3
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